

UNIVERSITY OF CALIFORNIA SCRIPPS INSTITUTION OF OCEANOGRAPHY

data report

PHYSICAL AND CHEMICAL DATA

CalCOFI Cruise 6910
9 October - 8 November 1969

and

CalCOFI Cruise 6912
13 November - 17 December 1969

SIO Reference 79-29
15 February 1980

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Sponsored by
Marine Research Committee

SIO Reference 79-29

Approved for distribution:

W. A. Nierenberg
W. A. Nierenberg, Director

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INTRODUCTION

The data in this report was collected during cruises 6910* and 6912 of the California Cooperative Oceanic Fisheries Investigations (CalCOFI) program aboard the RV David Starr Jordan, of the Bureau of Commercial Fisheries (now National Marine Fisheries Service), and the RV Alexander Agassiz, of the Scripps Institution of Oceanography. The report preceeding this one in the series was SIO Ref. 79-7 which included data for July, August, and September 1969.

During the December cruise on the Agassiz, time was spent on lines 90 and 120 to test zooplankton sampling gear. Opening-closing bongo nets were deployed at selected stations both in daylight and at night to sample eight separate depth-ranges between 500m and the sea surface.

This data was collected in part and processed completely by personnel of the Data Collection and Processing Group (DCPG, MLR)**, Scripps Institution of Oceanography.

STANDARD PROCEDURES

Hydrographic Cast Data

The hydrographic casts consisted of 12 to 18 Nansen bottles. At most stations the maximum sampling depth was 550 meters, bottom depth permitting. Temperature, oxygen, and nutrients were determined for all depths on each station, but samples from only five selected depths were used to determine salinity for comparison with the STD.

On STD lowerings where hydrographic casts were not made, a Nansen bottle was usually placed on the wire a few meters above the STD and another bottle was lowered to a depth of approximately 10 meters. Temperature, salinity, and nutrients were determined for most of the 10 meter samples. On the RV David Starr Jordan water samples at some stations were collected with a Niskin rosette lowered on the STD cable. Thermometers were used on the deepest Niskin sampler to record the temperature.

In general, paired protected reversing thermometers were used to determine temperatures which were recorded to hundredths of a Celsius degree. Surface temperatures from "bucket" thermometers and temperatures determined using unprotected (pressure) thermometers were recorded to tenths of a degree. Sample bottles used below 100 meters were equipped with unprotected thermometers for depth determination. Inattention to thermometer readings, however, resulted in extrapolation of some depth curves on all cruises due to unprotected thermometer malfunction in the deepest Nansen bottles.

The salinity samples for both Jordan cruises, 6910, and 6912, were analyzed using the same Bissett Berman (now Grundy Environmental Systems, Inc.) inductive salinometer which operated well. The Australian Autolab inductive salinometer used on the Agassiz for 6910 and for approximately half 6912 frequently showed considerable drift so that much of the data has been tabulated in hundredths. The Bissett Berman inductive salinometer also used for the Agassiz for 6912 operated satisfactorily.

The salinity values were recorded and are reported to three decimal places, provided accepted standards were met. If only one determination per sample was

*The first two digits represent the year and the second digits the month of the cruise. The CalCOFI station designations have been in use for over twenty years. The first part specifies a line normal to the general trend of the coast line (CalCOFI line). The second part specifies a station position relative to the coast on the CalCOFI line.
**Now the Physical and Chemical Oceanographic Data Facility (PACODF).

obtained, or there was doubt concerning the accuracy of the analytical results, the salinities are reported to two decimal places. All STD salinities are tabulated to hundredths.

Dissolved oxygen was determined by the Winkler method as modified by Carpenter (1965), using the equipment and procedure outlined by Anderson (1971).

Phosphate, silicate, nitrite, and nitrate were determined using a first generation Technicon^R AutoAnalyzer^R and methods developed at the Bureau of Commercial Fisheries based on the methodologies of Strickland (1968). Samples frozen at sea on the Agassiz for 6912 and determined after the cruise were too erratic for tabulations in the report.

Phytoplankton pigment and production data resulting from these cruises has been reported earlier by Owen (1974).

Most of the sample bottle data could not be evaluated using standard DCPG techniques (Klein, 1973) due to the sparsity of salinity data. However, when it was apparent the STD had malfunctioned, salinity samples were determined from all sample bottles and the standard techniques carried out. All oxygen and nutrients were plotted against depth for evaluation.

In Situ Salinity/Temperature/Depth Recorder (STD) Data

A Bissett Berman Model 9006 STD was used by each ship for lowerings during all cruises. Both ships also used a digital data logger (DDL) Model 8114 for data recording but the one used during both cruises of the Jordan malfunctioned so all data has been digitized at standard depths from the analogs.

The STD temperature data agreed very closely with the calibration samples for all cruises. Similarly, the STD salinity data from the Agassiz for 6910 and the Jordan for 6912 agreed closely with the sample bottle values. However, the salinity for the Jordan 6910 and the Agassiz 6912 shifted during the cruise requiring changing corrections and causing the data to be somewhat uncertain.

TABULATED DATA

The time reported is Greenwich Mean Time. For STD lowerings it is the "start down" time and for bottle casts it is the time of messenger release. When more than one cast was lowered on a station, the messenger times for the first and last casts are given. Multiple casts, excluding the surface cast, are indicated by a footnote letter following the observed depth.

Bottom depths, determined acoustically, have been corrected using Matthews (1939) tables and are reported in meters. The weather and dominant waves are coded using the National Oceanographic Data Center (NODC) method.

Data for all cruises presented in this report was obtained by bottle casts and by the STD, and appear in two forms:

- 1.) Data from the sample bottle casts is tabulated with the observed levels of depth on the left of a page. When salinity samples were collected and analyzed for all observed levels, interpolated and computed values at standard levels of depth appear on the right of the page.
- 2.) For each STD lowering, temperature and salinity values are read only at standard levels of depth and appear with computed values of DT and DD on the right of the page. Corrections have been applied to the temperature and salinity values as discussed previously in this report. Nutrient data from samples collected with a Niskin rosette is tabulated at observed levels of depth to the left of the STD data.

The same parameters have been tabulated in this report as in previous reports. The decimal has been omitted from the CalCOFI station number so station 90.65 appears in the tabulated data as 90065. The column headings are to be interpreted as follows:

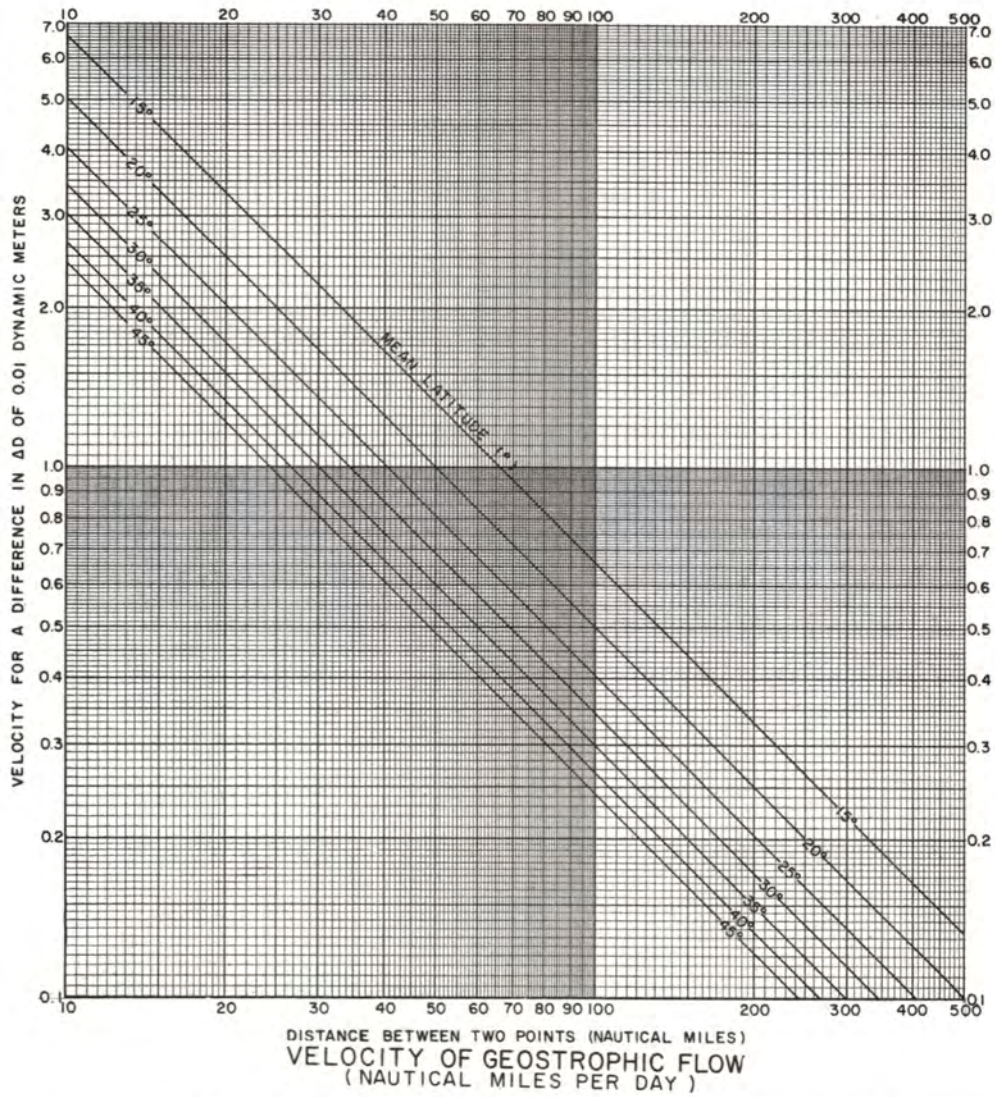
Z	Depth	Meters
T	Temperature	°C
S	Salinity	‰
O2	Dissolved oxygen	ml/L
PO4	"Reactive" inorganic phosphate-phosphorous	µg at/L
SI03	"Reactive" inorganic silicate-silicon	µg at/L
NO2	"Reactive" nitrite-nitrogen	µg at/L
NO3	"Reactive" nitrate-nitrogen	µg at/L
DT	δ_T Thermosteric anomaly	cl/ton
SIGT	$\sigma_t = (\rho_{s,t,0} - 1)10^3$ where $\rho_{s,t,0}$ is the density the parcel would have if moved isothermally to the sea surface.	g/L
DD	Geopotential anomaly, referred to the sea surface.	dyn. meters

FOOTNOTES

Data which appears to be in error without obvious reason is reported, but flagged uncertain with a U. Such data was not used in the determination of data at standard depths. Footnotes are used to indicate data which has required special processing.

REFERENCES

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- Matthews, D.J., 1939. Tables of the velocity of sound in pure water and seawater for use in echo-sounding and sound-ranging. Second Edition. Hydrographic Department, Admiralty, London, H.D. 282: 52pp.
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- Strickland, J.D.H., and T.R. Parsons, 1968. A practical handbook of seawater analysis. Fish. Res. Board of Canada, Bull. No. 167: 311pp.
- University of Washington, 1960. Univ. of Wash. Dept. of Oceanography, Oct. 1960. Tech. Rep. UW Ref. No. 60-18.



cm/sec	0	1	2	3	4	5	6	7	8	9
0	<i>KNOTS</i> 0.02 <i>NM/DAY</i>	0.04 0.47	0.06 0.93	0.08 1.40	0.10 1.86	0.12 2.33	0.14 2.80	0.16 3.26	0.17 3.73	0.17 4.20
10	0.19 4.66	0.21 5.13	0.23 5.59	0.25 6.06	0.27 6.53	0.29 6.99	0.31 7.46	0.33 7.93	0.35 8.39	0.37 8.86
20	0.39 9.32	0.41 9.79	0.43 10.26	0.45 10.72	0.47 11.19	0.49 11.66	0.51 12.12	0.52 12.59	0.54 13.05	0.56 13.52
30	0.58 13.99	0.60 14.45	0.62 14.92	0.64 15.38	0.66 15.85	0.68 16.32	0.70 16.78	0.72 17.25	0.74 17.72	0.76 18.18
40	0.78 18.65	0.80 19.11	0.82 19.58	0.84 20.05	0.85 20.51	0.87 20.98	0.89 21.45	0.91 21.91	0.93 22.38	0.95 22.84
50	0.97 23.31	0.99 23.78	1.01 24.24	1.03 24.71	1.05 25.17	1.07 25.64	1.09 26.11	1.11 26.57	1.13 27.04	1.15 27.51
60	1.17 27.98	1.18 28.44	1.20 28.90	1.22 29.37	1.24 29.84	1.26 30.30	1.28 30.77	1.30 31.24	1.32 31.70	1.34 32.17
70	1.36 32.63	1.38 33.10	1.40 33.57	1.42 34.03	1.44 34.50	1.46 34.96	1.48 35.43	1.50 35.90	1.52 36.36	1.53 36.83
80	1.55 37.30	1.57 37.76	1.59 38.23	1.61 38.69	1.63 39.16	1.65 39.63	1.67 40.09	1.69 40.56	1.71 41.03	1.73 41.49
90	1.75 41.96	1.77 42.42	1.79 42.89	1.81 43.36	1.83 43.82	1.85 44.29	1.86 44.76	1.88 45.22	1.90 45.69	1.92 46.15
100	1.94 46.62	1.96 47.09	1.98 47.55	2.00 48.02	2.02 48.48	2.04 48.95	2.06 49.42	2.08 49.88	2.10 50.35	2.12 50.82

CONVERSION TABLE
(CENTIMETERS / SECOND - KNOTS - NAUTICAL MILES / DAY)

1cm/sec = 0.019 kts = 0.466 NAUTICAL MILES / DAY
 1kt = 24 NAUTICAL MILES / DAY = 51.48 cm/sec
 1 NAUTICAL MILE / DAY = 0.042 kts = 2.14 cm/sec

FIGURES

Cruise 6910

1. CalCOFI Cruise 6910, station positions
2. Horizontal distribution of dynamic height anomaly (0 over 500 d-bar)
3. Horizontal distribution of dynamic height anomaly (200 over 500 d-bar)
4. Horizontal distribution of temperature at 10 meters
5. Horizontal distribution of salinity at 10 meters
6. Horizontal distribution of thermosteric anomaly at 10 meters
7. Horizontal distribution of temperature at 200 meters
8. Horizontal distribution of salinity at 200 meters
9. Horizontal distribution of thermosteric anomaly at 200 meters

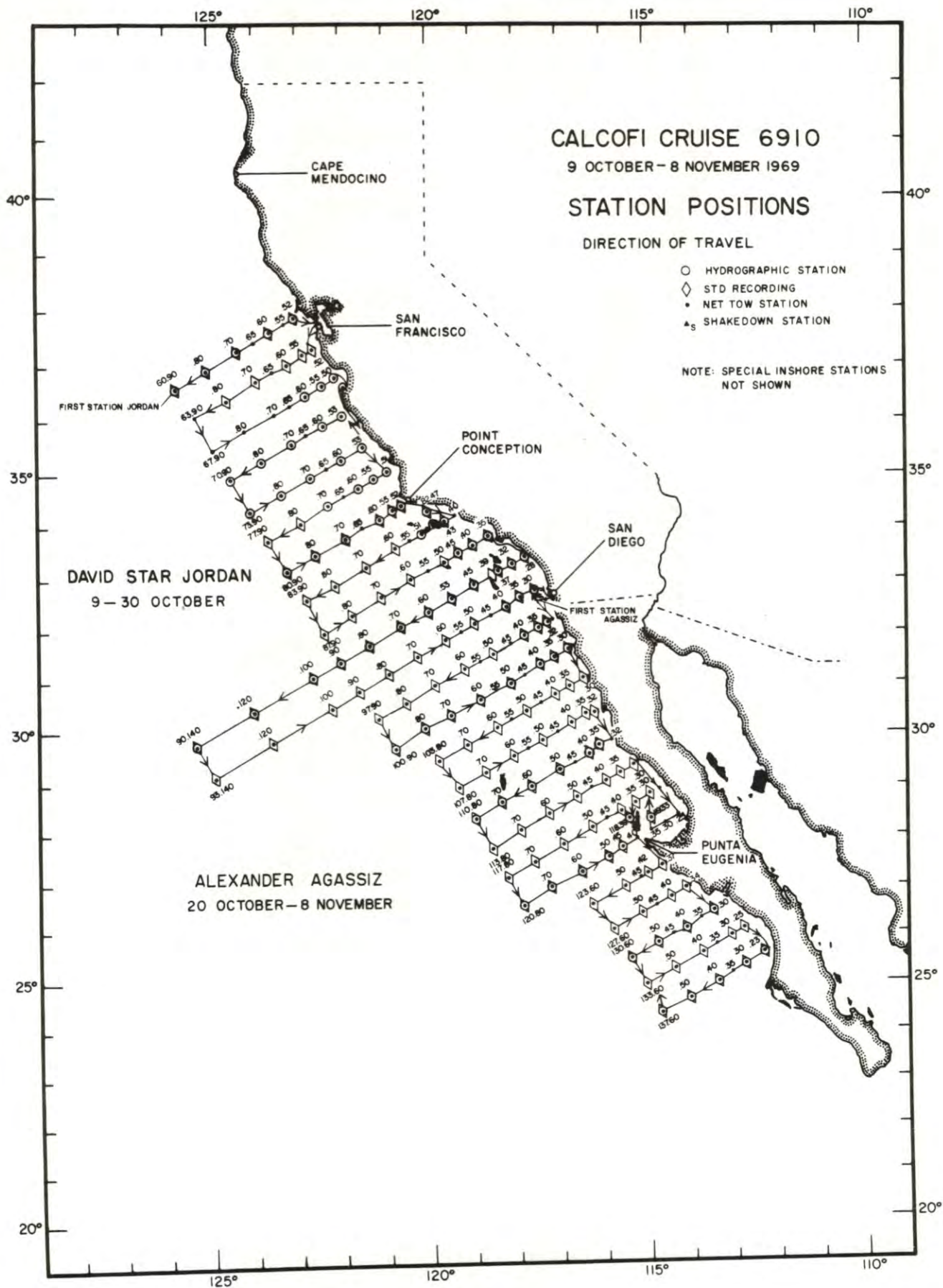


FIGURE 1

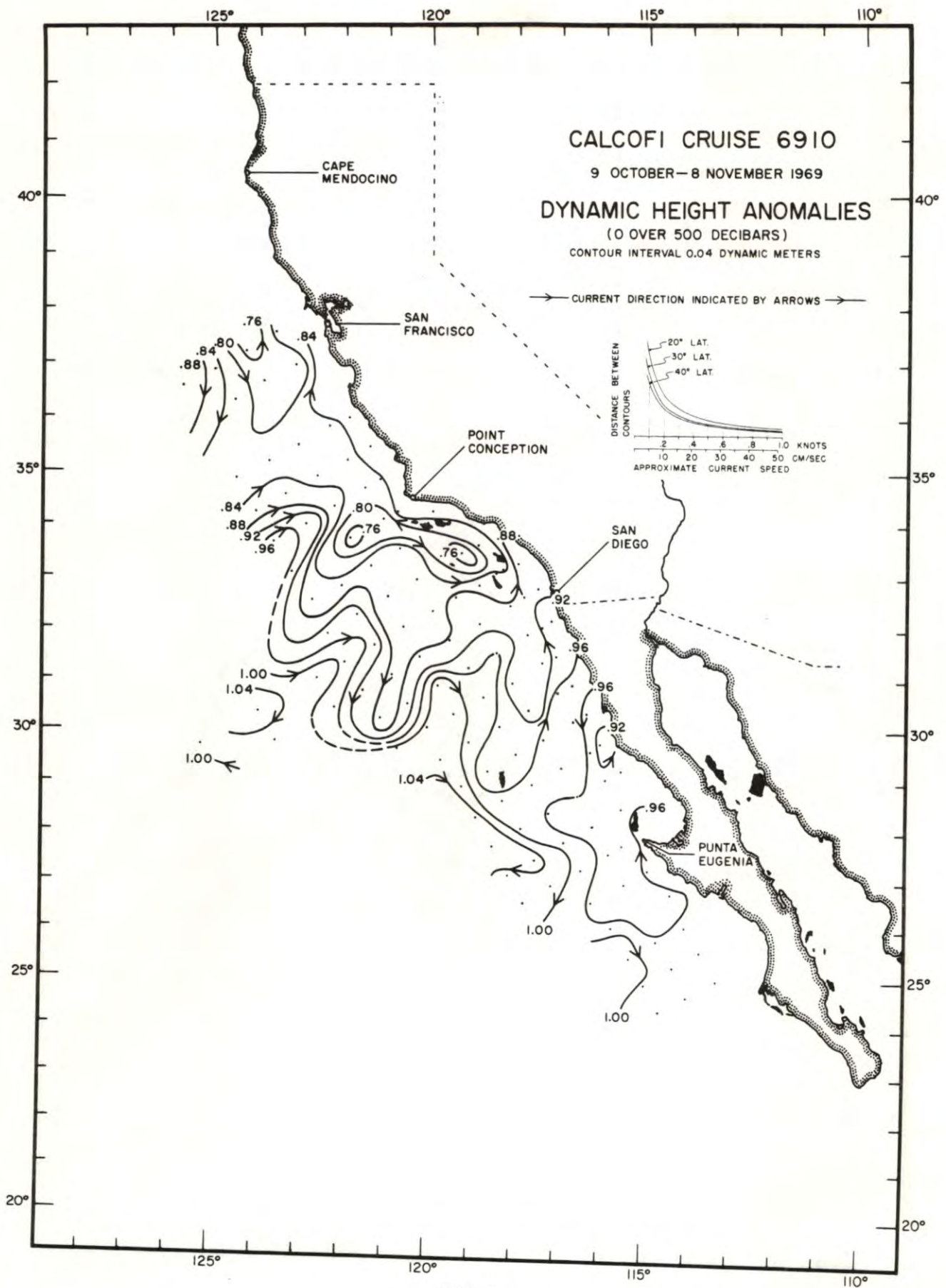


FIGURE 2

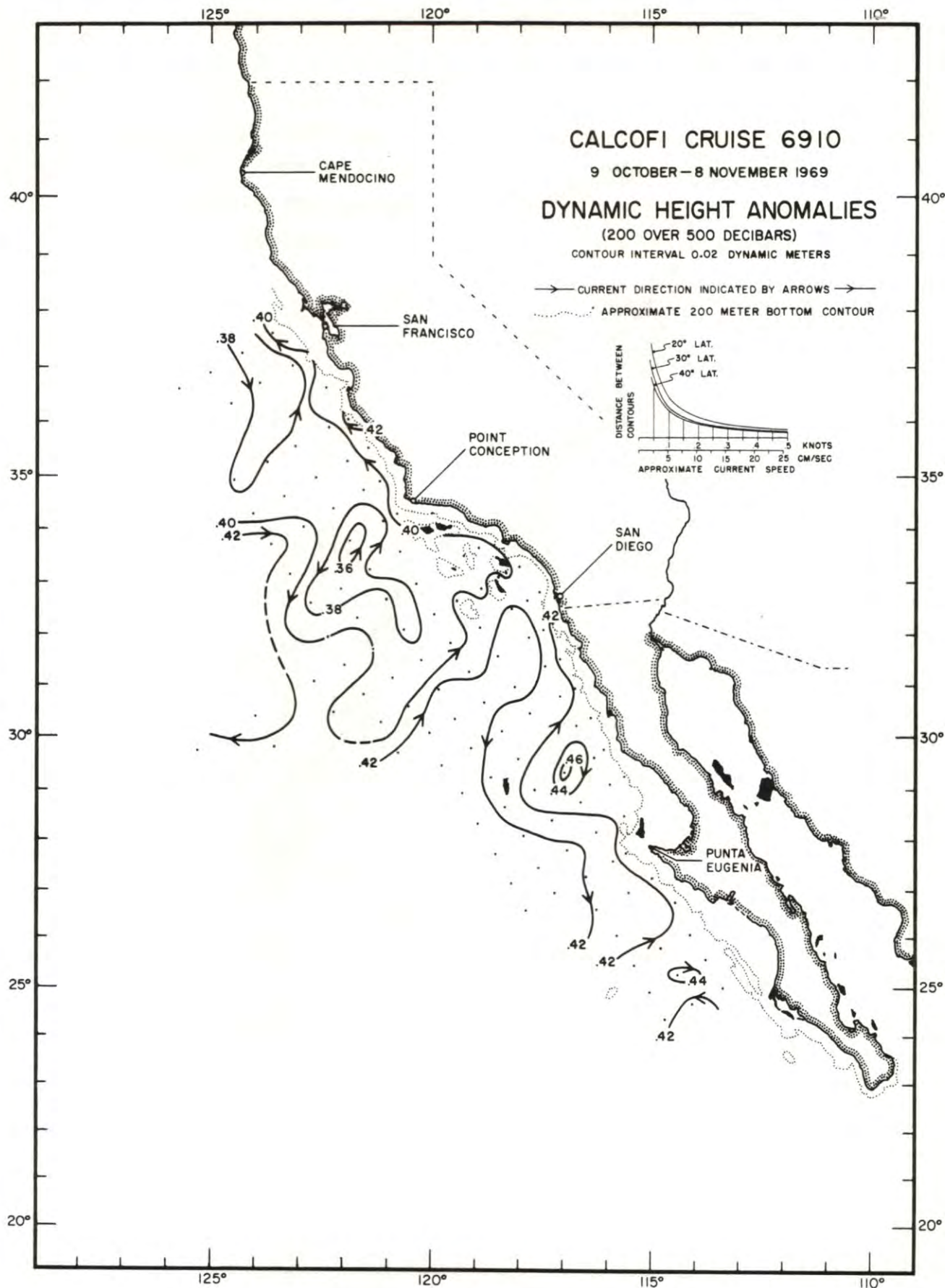


FIGURE 3

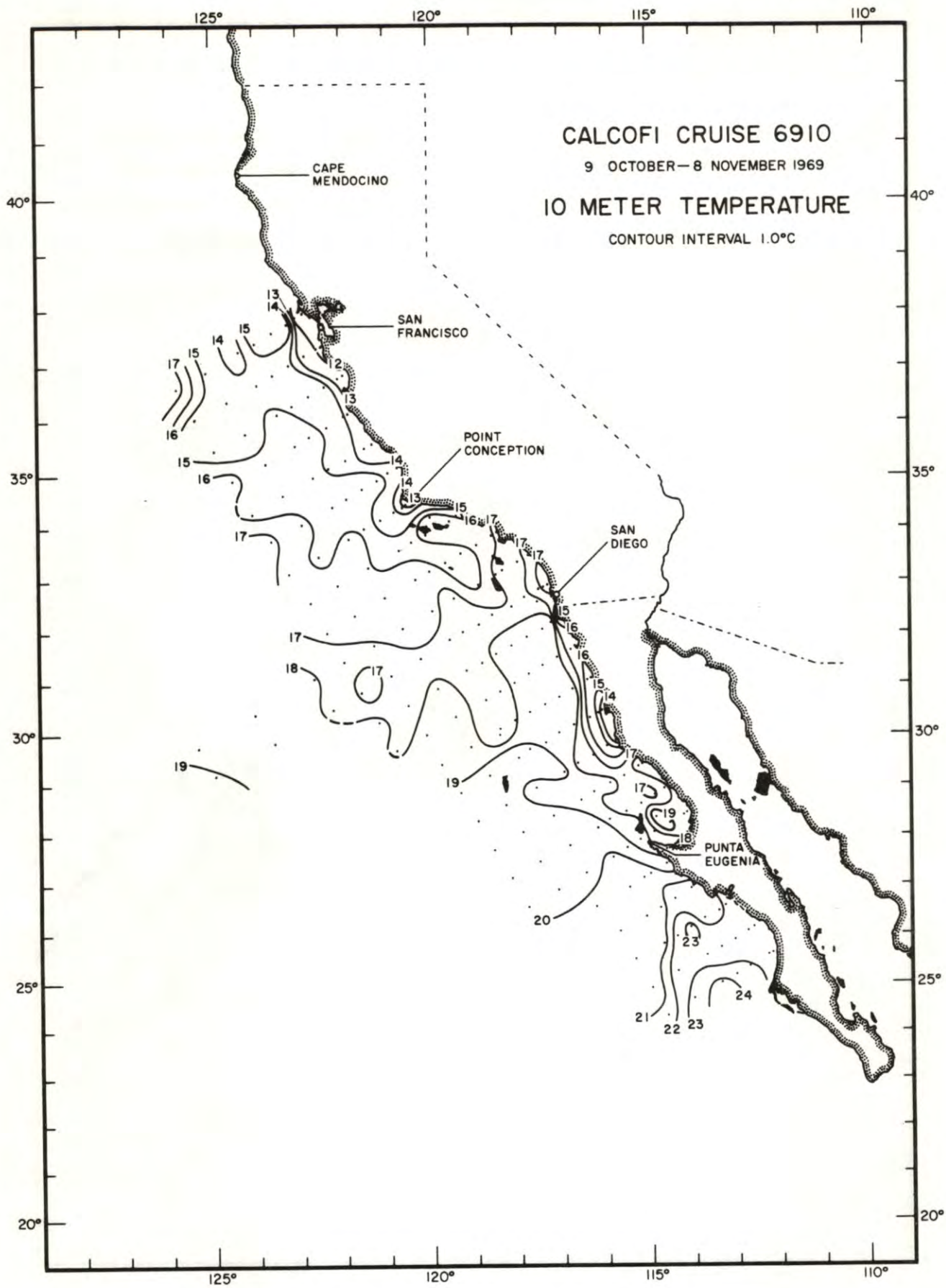


FIGURE 4

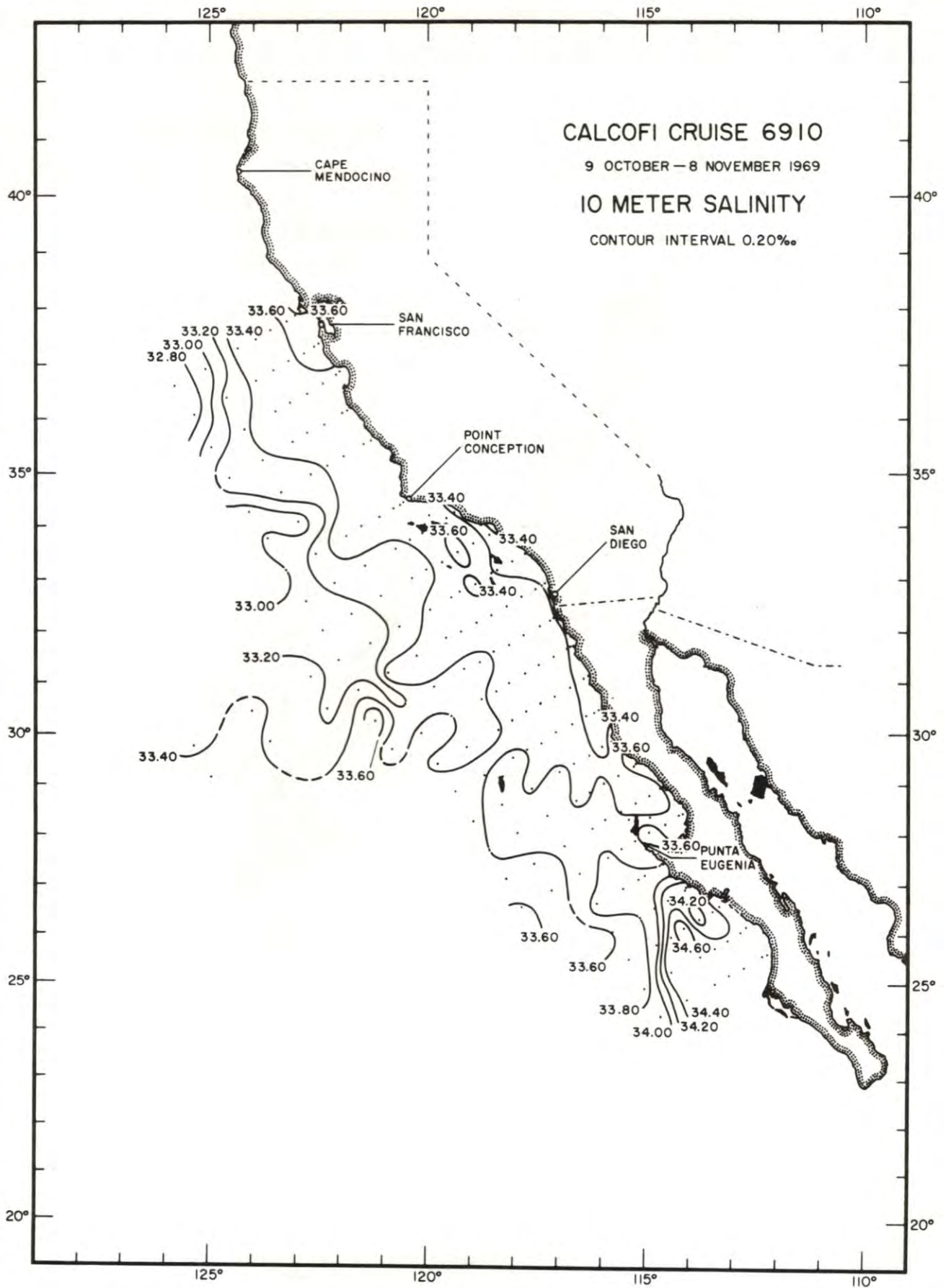


FIGURE 5

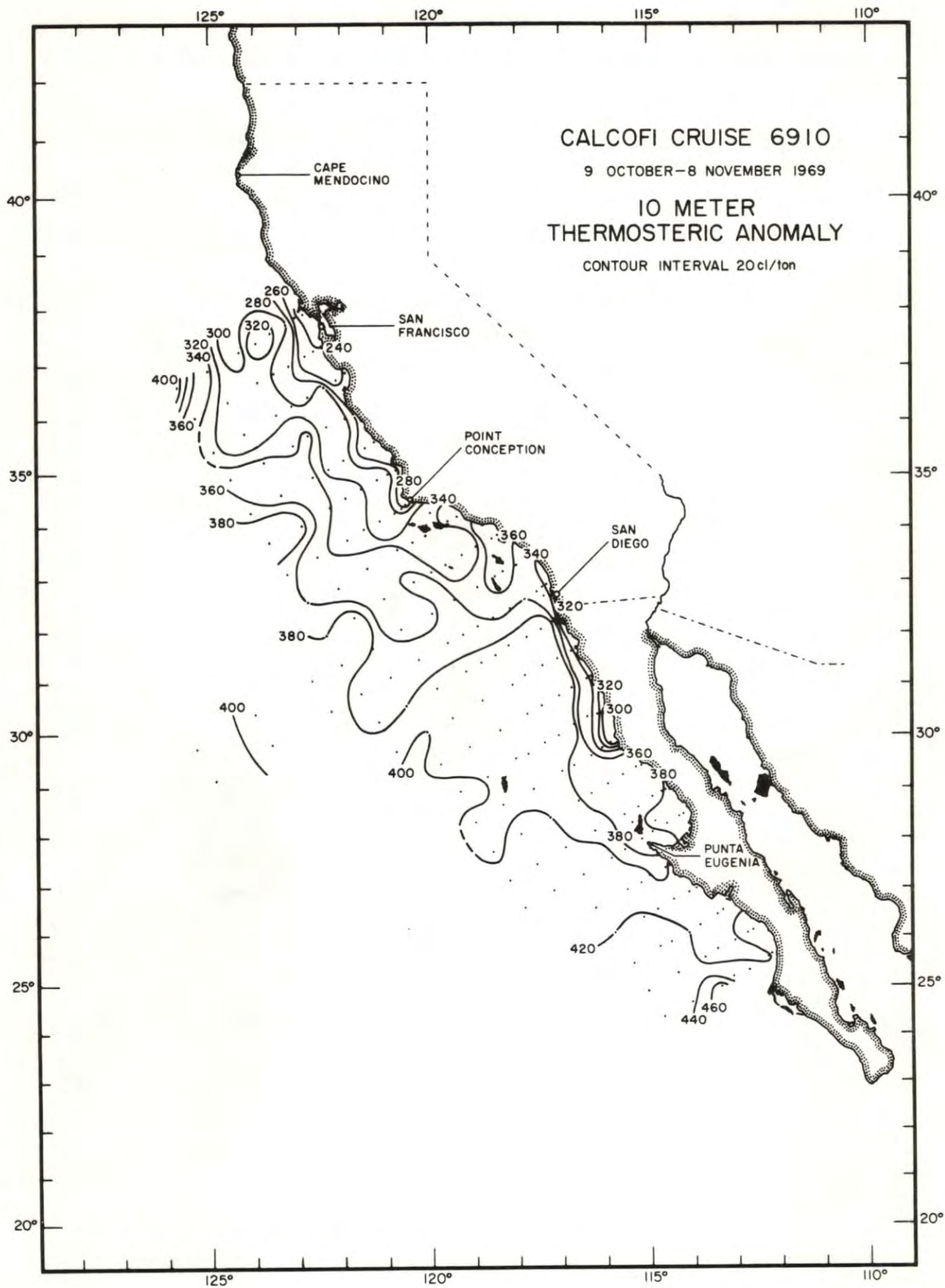


FIGURE 6

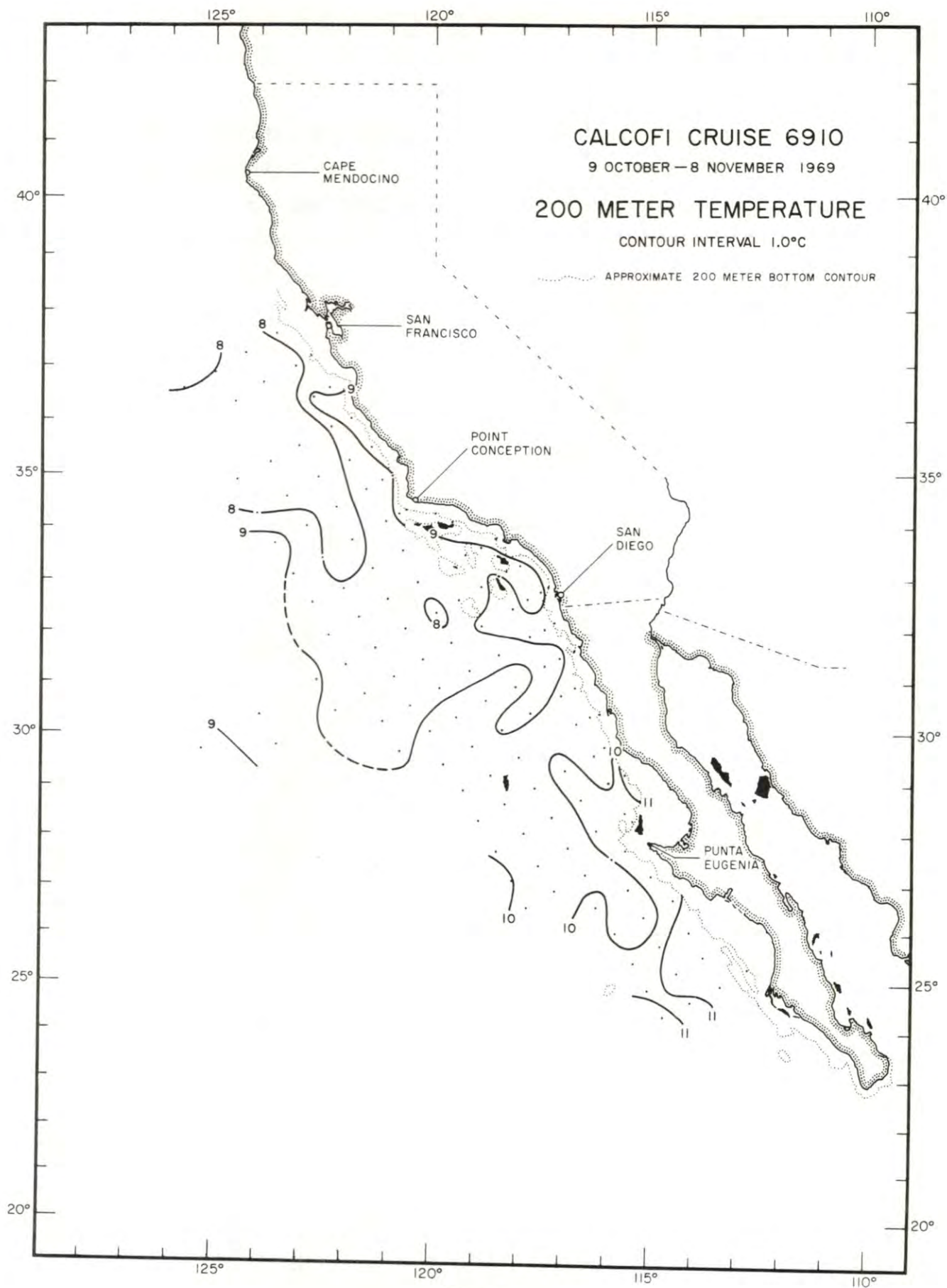


FIGURE 7

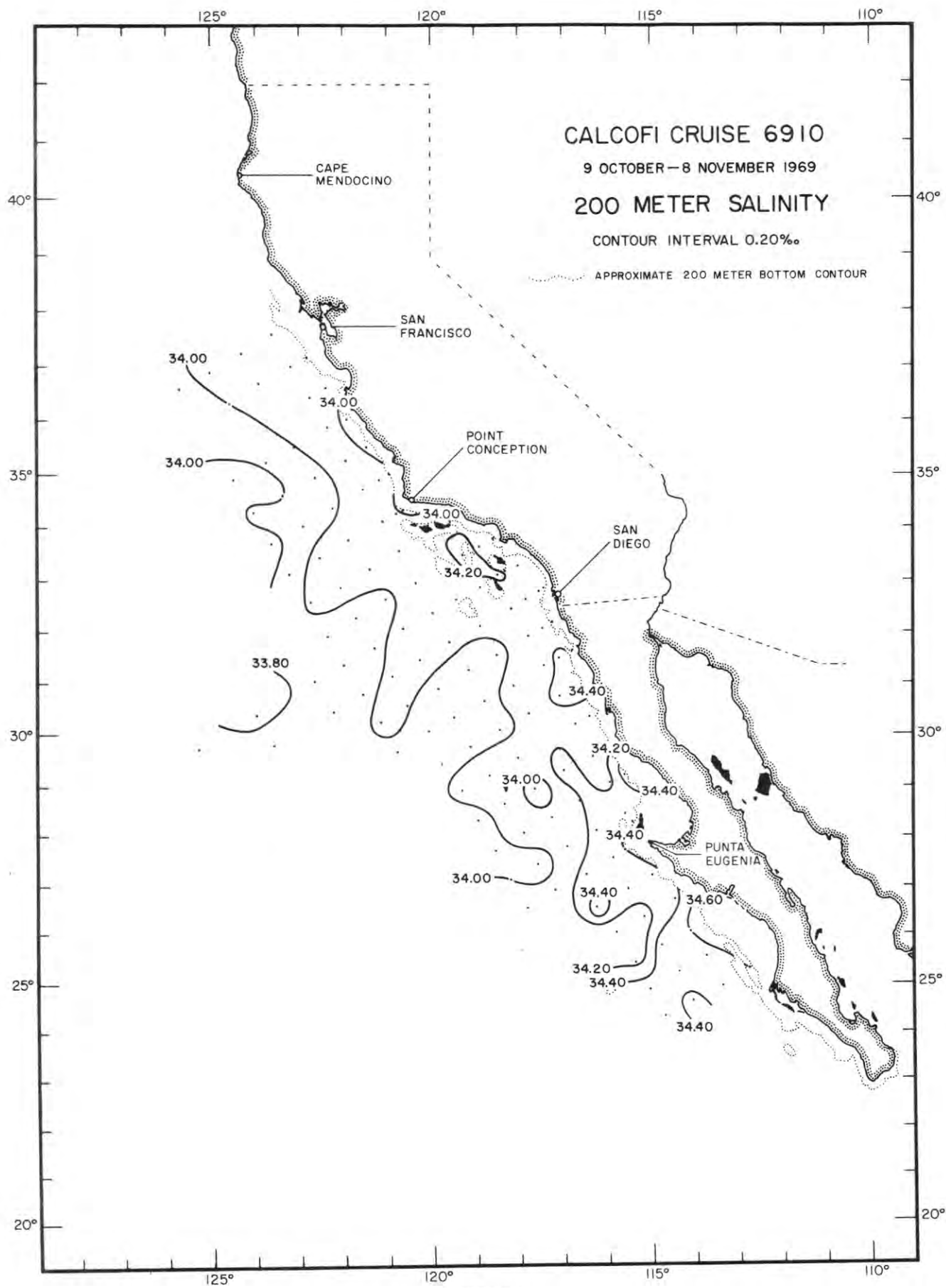


FIGURE 8

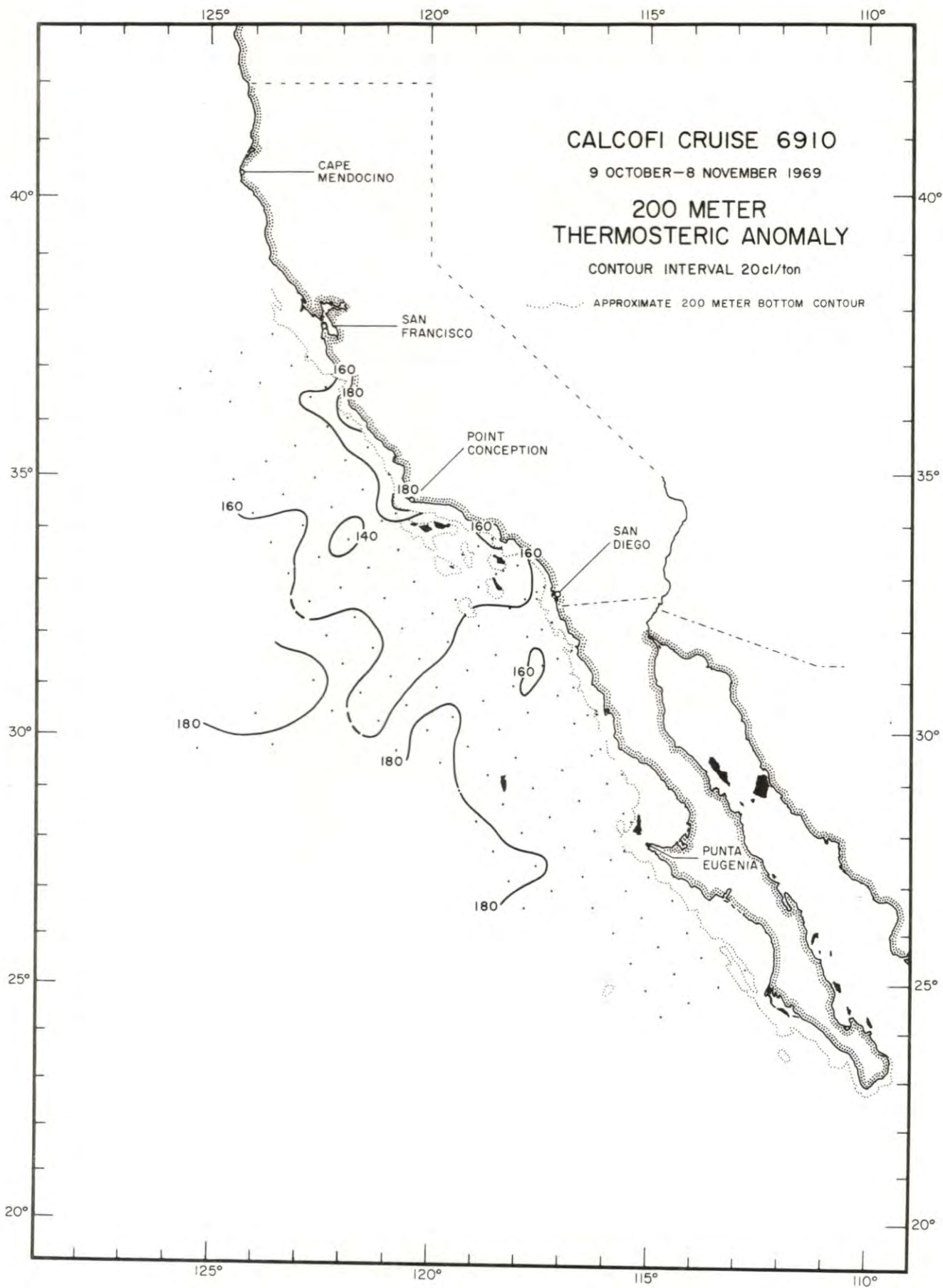


FIGURE 9

PERSONNEL

Cruise 6910

SHIP'S CAPTAINS

Davis, Laurence E., RV Alexander Agassiz
Forster, Charles W., RV David Starr Jordan

PERSONNEL PARTICIPATING IN THE COLLECTION OF DATA

RV Alexander Agassiz:

Hester, Arthur W.	Marine Technician (in charge) SIO
Costello, James P.	Laboratory Technician SIO
Fastenau, Henry C.	Marine Science Technician US Coast Guard
Leong, Roderick	Fishery Biologist BCF*
Palmer, Don H.	Marine Technician SIO
Robertson, Scott B.	Marine Technician SIO
Soloman, Harold Dr.	Visitor
Thomas, James E.	Marine Technician SIO
Thraillkill, James R.	Fishery Biologist BCF*
Villanueva, David	Computer Technician BCF*

RV David Starr Jordan

Counts, Robert C.	Fishery Biologist (in charge) BCF*
Ballard, Edward N.	Marine Technician SIO
Bradley, Douglas C.	Electronics Technician SIO
Brown, Jack C.	Electronics Technician BCF*
Conway, Carol B.	Senior Engineering Aide SIO
Galli, Don R.	Biological Technician BCF*
Hemingway, George T.	Marine Technician SIO
Renger, Edward H.	Laboratory Technician BCF*

*Bureau of Commercial Fisheries
now National Marine Fisheries Service
Southwest Fisheries Center

RV DAVID STARR JORDAN										CALCOFI CRUISE 6910						60042
LATITUDE	LONGITUDE	MO/DAY/YR			MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
37 54.0N	123 01.5W	10/10/69			1555 GMT		93M	330	2KT	4	320 8 8					
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD	
									0	13.10	33.12		24.940	302.5	0.000	
									10	11.52	33.62		25.629	237.0	0.027	
									20	10.88	33.67		25.783	222.3	0.050	
									30	10.72	33.70		25.835	217.4	0.072	
									50	10.38	33.74		25.925	208.8	0.115	

RV DAVID STARR JORDAN										CALCOFI CRUISE 6910						60042
LATITUDE	LONGITUDE	MO/DAY/YR			MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
37 54.0N	123 01.5W	10/10/69			1634 GMT		75M	330	2KT	4	320 8 8					
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD	
1	13.08	33.143	8.47		0.	0.0	0.0	300.4	0	13.08	33.143		24.962	300.4	0.000	
12	11.57	33.640	5.85	1.34	4.	0.92	11.0	236.4	10	11.79	33.587		25.552	244.3	0.027	
21	10.90	33.686	4.83	1.78	10.	0.31	16.0	221.4	20	10.95	33.692		25.786	222.0	0.051	
31	10.71	33.695	4.77	1.93	14.	0.25	17.8	217.6	30	10.72	33.697		25.832	217.7	0.073	
51	10.37	33.743	4.94U	1.78U	18.	0.29	20.1	208.4	50	10.39	33.741		25.924	208.9	0.115	

RV DAVID STARR JORDAN										CALCOFI CRUISE 6910						60040
LATITUDE	LONGITUDE	MO/DAY/YR			MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
37 37.0N	123 37.0W	10/10/69			1051 GMT		3306M	250	9KT	5	250 10 8					
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD	
									0	15.17	33.43		24.747	320.9	0.000	
									10	15.17	33.43		24.747	320.9	0.032	
									20	15.08	33.45		24.782	317.5	0.064	
									30	14.84	33.47		24.856	310.5	0.096	
									50	11.84	33.46		25.445	254.4	0.152	
									75	10.00	33.62		25.897	211.5	0.211	
									100	9.41	33.79		26.127	189.6	0.261	
									125	8.89	33.86		26.265	176.5	0.308	
									150	8.51	33.91		26.363	167.2	0.351	
									200	8.04	34.00		26.505	153.7	0.433	
									250	7.51	34.04		26.613	143.4	0.509	
									300	7.19	34.11		26.714	133.9	0.581	
									400	6.12	34.10		26.849	121.1	0.713	
									500	5.53	34.16		26.970	109.6	0.834	
									600	5.21	34.27		27.095	97.8	0.944	

RV DAVID STARR JORDAN										CALCOFI CRUISE 6910						60040
LATITUDE	LONGITUDE	MO/DAY/YR			MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
37 37.0N	123 37.0W	10/10/69			1148 GMT		3306M	250	9KT	5	250 10 8					
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD	
1	15.14	33.432	6.07	0.56	0.	0.08	0.5	320.1								
11	15.14	33.428	6.26	0.50	0.	0.09	0.6	320.4								
31	14.36	33.435 U	6.01	0.69	2.	0.13	2.7									
55	10.22		4.95	1.62	15.	0.40	16.7									
89	9.78		3.73	2.09	22.	0.04	22.9									
118	8.91		3.46	2.22	27.	0.00	25.2									
162	8.55		2.70	2.59	36.	0.00	29.6									
218	7.88		2.53	2.81	42.	0.01	31.5									
272	7.34		2.14													
326	6.88		1.46													
435	5.98	34.127	0.93					117.4								
544	5.28	34.193	0.54					104.3								

RV DAVID STARR JORDAN										CALCOFI CRUISE 6910						60070
LATITUDE	LONGITUDE	MO/DAY/YR			MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
37 17.0N	124 21.0W	10/10/69			0445 GMT		4111M	240	6KT	4	240					
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD	
									0	15.40	33.53		24.773	318.4	0.000	
									10	13.58	33.50		25.136	283.8	0.030	
									20	12.85	33.44		25.236	274.3	0.058	
									30	10.37	33.38		25.647	235.2	0.084	
									50	9.55	33.71		26.042	197.7	0.127	
									75	9.03	33.84		26.227	180.1	0.175	
									100	8.72	33.92		26.338	169.5	0.219	
									125	8.43	33.98		26.430	160.8	0.260	
									150	8.08	34.01		26.506	153.6	0.300	
									200	7.47	34.04		26.619	142.9	0.376	
									250	6.94	34.06		26.709	134.3	0.447	
									300	6.42	34.09		26.802	125.5	0.514	
									400	6.09	34.17		26.908	115.5	0.639	
									500	5.46	34.22		27.026	104.3	0.755	

RV DAVID STARR JORDAN										CALCOFI CRUISE 6910							60070	
LATITUDE		LONGITUDE		MO/DA/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES		
37 17.0N		124 21.0W		10/10/69		0516 GMT		4111M		240		6KT		4		240		
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD			
0	15.29	33.531	6.08	0.78	1.	0.11	2.9	316.0										
10	13.94	33.527	6.23	0.94	3.	0.21	4.7	288.8										
29	12.51		5.44	1.25	8.	0.41	9.6											
49	9.64	33.637	4.02	2.06	19.	0.01	21.1	204.5										
78	8.91		3.62	2.22	25.	0.00	24.4											
107	8.58			2.37	31.	0.01	26.6											
150	8.16		2.88	2.53	36.	0.00	29.0											
200	7.54		2.38	2.84	44.	0.00	32.3											
247	6.91		2.10															
301	6.39		1.69															
398	6.05	34.146	0.92					116.8										
501	5.48	34.214	0.56					105.0										

RV DAVID STARR JORDAN										CALCOFI CRUISE 6910							60080	
LATITUDE		LONGITUDE		MO/DA/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES		
36 56.5N		125 04.0W		10/ 9/69		2317 GMT		4493M		270		8KT		1		270 10 18		
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD			
0	15.75												24.186	374.3	0.000			
10	14.89												24.378	356.1	0.037			
20	14.43												24.468	347.5	0.072			
30	12.88												24.736	321.9	0.105			
50	10.75												25.340	264.4	0.164			
75	10.21												25.752	225.2	0.226			
100	9.77												26.005	201.2	0.279			
125	9.14												26.186	184.0	0.328			
150	8.66												26.332	170.1	0.373			
200	8.02												26.516	152.7	0.455			
250	7.27												26.655	139.4	0.530			
300	6.72												26.755	130.0	0.600			
400	5.81												26.880	118.1	0.728			
500	5.28												26.984	108.3	0.847			
600	5.00												27.088	98.4	0.957			

RV DAVID STARR JORDAN										CALCOFI CRUISE 6910							60080	
LATITUDE		LONGITUDE		MO/DA/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES		
36 56.5N		125 04.0W		10/10/69		0021 GMT		4493M		270		8KT		1		270 10 8		
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD			
0	15.63	32.840	6.06	0.47	1.	0.03	1.5	373.7										
10	15.01	32.862	6.30	0.50	0.	0.06	1.7	359.1										
30	13.91		6.27	0.56	1.	0.12	2.7											
50	10.24	32.859	6.17	0.84	4.	0.36	7.0	271.7										
80	9.83		4.97	1.53	16.	0.00	20.8											
108	9.41		4.22	2.00	23.	0.01	27.5											
153	8.61		3.19	2.22	30.	0.02	30.9											
202	7.95		2.74	2.46	37.	0.00	34.4											
250	7.17		2.44															
305	6.66		1.77															
403	5.80	34.082	1.25					118.6										
507	5.17	34.167	0.66					105.0										

RV DAVID STARR JORDAN										CALCOFI CRUISE 6910							60090	
LATITUDE		LONGITUDE		MO/DA/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES		
36 37.0N		125 47.0W		10/ 9/69		1600 GMT		4588M		310		2KT		1		290 7 8		
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD			
0	17.33												23.712	419.6	0.000			
10	17.30												23.719	418.9	0.042			
20	15.54												24.129	379.8	0.082			
30	15.25												24.208	372.3	0.120			
50	12.24												24.860	310.2	0.188			
75	10.14												25.445	254.4	0.259			
100	9.82												25.740	226.4	0.319			
125	8.87												26.089	193.3	0.372			
150	8.69												26.281	175.0	0.419			
200	8.04												26.481	156.0	0.503			
250	7.23												26.637	141.1	0.580			
300	6.55												26.722	133.1	0.650			
400	6.41												26.867	119.4	0.761			
500	5.71												27.011	105.7	0.900			
600	5.14												27.142	93.2	1.006			

RV DAVIU STARK JORDAN						CALCOFI CRUISE 6910										630A0
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			POTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
36 22.0N		124 37.5W		10/12/69		0125	GMT		4303M	350	10KT	0	330	6	7	
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	S1GT	DT	DD	
									0	14.44	33.26		24.773	318.4	0.000	
									10	14.47	33.27		24.775	318.2	0.032	
									20	14.50	33.30		24.791	316.7	0.064	
									30	14.46	33.29		24.792	316.6	0.095	
									50	10.77	33.01		25.290	269.2	0.154	
									75	9.85	33.37		25.727	227.6	0.217	
									100	9.07	33.70		26.112	191.1	0.269	
									125	8.78	33.88		26.298	173.4	0.315	
									150	8.44	33.93		26.390	164.7	0.358	
									200	7.56	34.00		26.575	147.1	0.438	
									250	7.20	34.05		26.665	138.5	0.511	
									300	6.63	34.07		26.759	129.6	0.580	
									400	6.28	34.19		26.899	116.3	0.708	
									500	5.54	34.23		27.024	104.5	0.824	
									600	5.02	34.30		27.141	93.4	0.929	

RV DAVIU STARK JORDAN						CALCOFI CRUISE 6910										67050
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			POTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
36 48.0N		122 05.0W		10/13/69		1057	GMT		103M	200	8KT	0	330	6	7	
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	S1GT	DT	DD	
2	12.68	33.583	6.05	0.87	7.	0.00	5.7	260.6	0	12.68	33.583	6.05	25.380	260.6	0.000	
10	12.57	33.577	6.13	1.03	9.	0.08	7.0	259.0	10	12.57	33.577	6.13	25.397	259.0	0.026	
25	11.66	33.597	4.99	1.22	12.	0.00	10.8	241.1	20	11.97	33.590	5.40	25.521	247.2	0.051	
34	11.53	33.600	4.88	1.34	12.	0.00	11.8	238.6	30	11.57	33.600	4.91	25.602	239.5	0.076	
45	11.28	33.626		1.47	15.	0.00	13.6	232.3	50	11.06	33.646	4.26	25.732	227.2	0.123	
58	10.70	33.677	3.91	1.65	17.	0.00	17.1	218.7	75	10.37	33.744	3.47	25.928	208.4	0.177	
73	10.42	33.730	3.52	1.75	20.	0.00	18.8	210.2	100	9.66	33.870	2.93	26.148	187.6	0.227	
99	9.69	33.869	2.95	2.09	26.	0.00	23.1	188.1								

RV DAVIU STARK JORDAN						CALCOFI CRUISE 6910										67055
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			POTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
36 39.0N		122 26.0W		10/13/69		0746	GMT		2130M	200	6KT	0	330	00		
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	S1GT	DT	DD	
0	14.70	33.569						301.0	0	14.70	33.569		24.955	301.0	0.000	
10	14.63	33.564						300.0	10	14.63	33.564		24.967	300.0	0.030	
31	13.52	33.563	0.28	2.		0.00	1.8	278.0	20	14.18	33.562		25.060	291.1	0.060	
50	12.61	33.579						259.6	30	13.59	33.564		25.183	279.3	0.088	
79	10.89	33.590						228.3	50	12.64	33.579		25.391	259.6	0.142	
108	9.24	33.709						193.0	75	11.14	33.587		25.672	232.9	0.204	
153	9.19	34.034						168.1	100	9.63	33.668		25.995	202.2	0.259	
202	8.81	34.086						158.5	125	9.22	33.874		26.222	180.5	0.307	
251	8.21	34.123						147.0	150	9.19	34.024		26.344	169.0	0.352	
305	7.65	34.164						136.1	200	8.83	34.088		26.452	158.8	0.435	
404	6.67	34.170						122.7	250	8.22	34.123		26.373	147.2	0.514	
509	5.58	34.161						110.1	300	7.70	34.162		26.681	137.0	0.587	
									400	6.71	34.172		26.827	123.1	0.723	
									500	5.68	34.163		26.954	111.1	0.846	

RV DAVIU STARK JORDAN						CALCOFI CRUISE 6910										67060
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			POTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
36 28.0N		122 47.0W		10/13/69		0457	GMT		2879M	230	6KT	0	320	1	8	
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	S1GT	DT	DD	
0	14.80	33.545						304.8	0	14.80	33.545		24.915	304.8	0.000	
10	14.42	33.542						297.3	10	14.42	33.542		24.994	297.3	0.030	
29	14.29	33.543	0.28	0.		0.05	0.2	294.6	20	14.33	33.544		25.009	295.9	0.060	
49	13.29	33.546						274.8	30	14.26	33.545		25.029	294.0	0.089	
78	10.34	33.620						217.0	50	13.18	33.547		25.252	272.8	0.146	
108	9.82	33.813						194.3	75	10.63	33.606		25.776	222.9	0.209	
151	9.31	33.982						173.8	100	9.96	33.792		26.037	198.2	0.262	
198	9.06	34.080						162.7	125	9.59	33.893		26.178	184.8	0.310	
245	8.45	34.102						152.0	150	9.32	33.981		26.289	174.2	0.356	
297	7.80	34.133						140.5	200	9.04	34.083		26.415	162.3	0.441	
393	6.46	34.124						123.5	250	8.39	34.107		26.335	150.9	0.522	
498	6.00	34.186						113.2	300	7.75	34.134		26.651	139.8	0.597	
									400	6.42	34.128		26.832	122.6	0.733	
									500	5.99	34.187		26.934	113.0	0.857	

RV DAVID STARR JORDAN										CALCOFI CRUISE 6910						77060
LATITUDE 34 44.0N	LONGITUDE 121 54.0W		MO/DAY/YR 10/20/69		MESSENGER 161A GMT		TIME		BOTTOM 925M	WIND 330	SPEED 10KT	WEATHER 0	DOMINANT WAVES 300 2 6			
Z	T	S	O2	P04	SI03	NO2	NO3	DT	Z	T	S	O2	SI0T	DT	DD	
0	15.47	33.424						327.6	0	15.47	33.424		24.676	327.6	0.000	
10	15.48	33.424 A		0.37	1.	0.00	0.1	327.8	10	15.48	33.424		24.674	327.8	0.033	
20	15.38	33.494						320.6	20	15.45	33.463		24.714	324.0	0.065	
40	11.27	33.490						242.2	30	15.18	33.490		24.790	316.8	0.098	
76	10.27	33.740						207.0	50	11.20	33.534		25.619	237.9	0.153	
105	9.66	33.895						165.7	75	10.31	33.745		25.941	207.3	0.209	
149	8.88	33.991						166.6	100	9.75	33.876		26.138	188.6	0.259	
197	8.17	34.048						152.1	125	9.28	33.954		26.275	175.5	0.305	
244	7.62	34.081						141.9	150	8.85	33.995		26.376	165.9	0.349	
298	7.36	34.185						130.6	200	8.13	34.049		26.529	151.4	0.429	
396	6.35	34.196						116.7	250	7.59	34.094		26.644	140.5	0.504	
501	5.86	34.268						105.4	300	7.34	34.187		26.752	130.2	0.574	
									400	6.92	34.199		26.900	116.2	0.703	
									500	5.86	34.268		27.013	105.5	0.820	

RV DAVID STARR JORDAN										CALCOFI CRUISE 6910						77070
LATITUDE 34 24.2N	LONGITUDE 122 16.0W		MO/DAY/YR 10/20/69		MESSENGER 2151 GMT		TIME		BOTTOM 4207M	WIND 310	SPEED 10KT	WEATHER 1	DOMINANT WAVES 320 3 6			
Z	T	S	O2	P04	SI03	NO2	NO3	DT	Z	T	S	O2	SI0T	DT	DD	
1	15.94	33.254						350.0	0	15.94	33.254		24.441	350.0	0.000	
10	15.93	33.253		0.53	1.	0.03	0.3	349.7	10	15.90	33.253		24.449	349.2	0.035	
20	15.75	33.251						346.2	20	15.82	33.254		24.466	347.6	0.070	
50	11.41	33.000						280.8	30	15.56	33.235		24.510	343.5	0.104	
80	10.24	33.373						233.6	50	11.41	33.000		25.168	280.8	0.167	
109	9.42	33.665						199.0	75	10.44	33.343		25.805	239.2	0.232	
153	8.64	33.901						169.7	100	9.65	33.586		25.928	208.5	0.289	
201	7.91	33.980						153.4	125	9.10	33.776		26.165	186.0	0.339	
249	7.32	34.055						139.7	150	8.68	33.893		26.322	171.1	0.384	
304	6.71	34.084						129.6	200	7.92	33.981		26.506	153.6	0.467	
401	6.13	34.197						113.9	250	7.31	34.057		26.655	139.5	0.542	
504	5.46	34.255						101.7	300	6.75	34.084		26.753	130.2	0.611	
									400	6.13	34.197		26.923	114.1	0.738	
									500	5.49	34.255		27.049	102.1	0.852	

RV DAVID STARR JORDAN										CALCOFI CRUISE 6910						77080
LATITUDE 34 04.0N	LONGITUDE 122 55.0W		MO/DAY/YR 10/21/69		MESSENGER 0705 GMT		TIME		BOTTOM 4309M	WIND 330	SPEED 8KT	WEATHER 1	DOMINANT WAVES 320 4 7			
Z	T	S	O2	P04	SI03	NO2	NO3	DT	Z	T	S	O2	SI0T	DT	DD	
									0	16.35	32.88		24.062	386.2	0.000	
									10	16.35	32.89		24.070	385.4	0.039	
									20	16.19	32.86		24.083	384.2	0.077	
									30	15.94	32.65		24.132	379.5	0.115	
									50	13.97	32.95		24.633	331.8	0.187	
									75	11.97	33.06		25.112	286.2	0.264	
									100	10.87	33.20		25.420	256.8	0.333	
									125	10.09	33.42		25.726	227.7	0.394	
									150	9.44	33.65		26.005	201.2	0.448	
									200	8.60	33.91		26.349	168.5	0.542	
									250	7.75	33.99		26.540	150.4	0.624	
									300	7.04	34.04		26.679	137.1	0.698	
									400	6.20	34.13		26.862	119.8	0.831	
									500	5.44	34.21		27.020	104.8	0.949	
									600	5.41	34.32		27.122	95.1	1.056	

RV DAVID STARR JORDAN										CALCOFI CRUISE 6910						77090
LATITUDE 33 43.0N	LONGITUDE 123 39.0W		MO/DAY/YR 10/21/69		MESSENGER 0643 GMT		TIME		BOTTOM 4594M	WIND 280	SPEED 8KT	WEATHER 1	DOMINANT WAVES 280 1 6			
Z	T	S	O2	P04	SI03	NO2	NO3	DT	Z	T	S	O2	SI0T	DT	DD	
									0	17.10	33.04		24.011	391.1	0.000	
									10	17.10	33.04		24.011	391.1	0.039	
									20	17.10	33.04		24.011	391.1	0.078	
									30	17.08	33.04		24.015	390.6	0.117	
									50	17.05	33.04		24.022	389.9	0.196	
									75	12.97	32.97		24.850	311.1	0.284	
									100	12.09	33.26		25.244	273.6	0.357	
									125	10.26	33.59		25.829	217.9	0.419	
									150	9.85	33.90		26.140	186.4	0.471	
									200	9.25	34.10		26.395	164.2	0.561	
									250	8.90	34.19		26.521	152.2	0.642	
									300	8.53	34.22		26.602	144.4	0.719	
									400	7.62	34.24		26.754	130.0	0.862	
									500	6.57	34.24		26.900	116.2	0.992	
									600	5.88	34.30		27.047	102.3	1.109	

A) AN ERROR OF 0.01 IN THE CONDUCTIVITY RATIO HAS BEEN ASSUMED FOR THIS VALUE. THE LISTED OBSERVED AND INTERPOLATED VALUES INCLUDE THE CORRECTION.

RV DAVID STARR JORDAN						CALCOFI CRUISE 6910						80042			
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	DEPTH	WIND	SPEED	WEATHER	DOMINANT WAVES						
34 24.5N	120 36.5W	10/22/69	1213	GMT	297M	330	6KT	1	00						
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0										13.52	33.50		25.149	282.6	0.000
10										13.49	33.50		25.155	282.0	0.028
20										12.87	33.46		25.248	273.2	0.056
30										12.19	33.47		25.387	259.9	0.083
50										11.44	33.53		25.575	242.0	0.133
75										11.04	33.58		25.685	231.6	0.193
100										10.69	33.64		25.794	221.3	0.250
125										10.62	33.72		25.868	214.2	0.305
150										10.28	33.63		26.012	200.5	0.357
200										9.74	33.92		26.174	185.1	0.456
250										8.85	34.09		26.451	158.8	0.544

RV DAVID STARR JORDAN						CALCOFI CRUISE 6910						80042			
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	DEPTH	WIND	SPEED	WEATHER	DOMINANT WAVES						
34 24.5N	120 36.5W	10/22/69	1258	GMT	297M	330	6KT	1	00						
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	13.55	33.475	5.40	0.84	8.	0.24	6.2	285.0							
10	13.53	33.471	5.40	0.84	8.	0.28	6.3	284.9							
29	12.29		5.14	1.12	10.	0.28	9.4								
49	11.85	33.452	4.81	1.25	12.	0.09	11.8	255.2							
78	10.89		4.20	1.56	16.	0.00	17.2								
106	10.71		4.08	1.62	18.	0.00	18.7								
151	10.23		3.26	1.97	25.	0.00	25.0								
200	9.72	33.879	2.98	2.18	30.	0.00	28.8	187.4							
249	9.33	34.002	2.36					172.7							

RV DAVID STARR JORDAN						CALCOFI CRUISE 6910						80045			
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	DEPTH	WIND	SPEED	WEATHER	DOMINANT WAVES						
34 19.0N	120 48.0W	10/22/69	0845	GMT	778M	270	6KT	1	00						
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0										14.35	33.44		24.931	303.4	0.000
10										14.19	33.43		24.957	300.9	0.030
20										13.19	33.42		25.153	282.2	0.059
30										11.88	33.47		25.446	254.4	0.086
50										10.80	33.63		25.766	223.9	0.134
75										10.65	33.69		25.839	216.9	0.190
100										10.21	33.80		26.001	201.5	0.243
125										9.98	33.86		26.087	193.4	0.292
150										9.46	33.99		26.275	175.5	0.339
200										9.19	34.06		26.373	166.2	0.426
250										8.70	34.15		26.521	152.1	0.508
300										8.19	34.16		26.608	144.0	0.585
400										6.90	34.20		26.824	123.4	0.724
500										6.31	34.23		26.927	113.7	0.849
600										5.60	34.31		27.079	99.2	0.963

RV DAVID STARR JORDAN						CALCOFI CRUISE 6910						80045			
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	DEPTH	WIND	SPEED	WEATHER	DOMINANT WAVES						
34 19.0N	120 48.0W	10/22/69	1026	GMT	778M	270	6KT	1	00						
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
1	14.26	33.442	5.89	0.59	5.	0.08	2.6	301.4							
10	14.23	33.443	5.96	0.56	5.	0.03	2.7	300.8							
30	11.85	33.526	4.57	1.34	13.	0.07	13.4	249.7							
50	10.76		3.99	1.68	18.	0.01	18.6								
80	10.57		3.60	1.87	21.	0.00	21.5								
109	10.14		3.20	2.12	25.	0.04	25.1								
153	9.42		2.60	2.50	32.	0.00	30.2								
202	9.06		2.42	2.65	36.	0.00	32.5								
251	8.65		1.87												
305	7.96		1.60												
403	7.05	34.172	1.19					127.4							
507	6.12	34.203	0.71					113.4							

RV DAVID STARR JORDAN CALCOFI CRUISE 6910 80060

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
34 09.0N		121 09.0W		10/22/69	0600	GMT	2222M	310	7KT	1	00				
Z	T	S	U2	P04	S103	N02	N03	DT	Z	T	S	02	S10T	DT	DD
0									0	15.48	33.49		24.725	323.0	0.000
10									10	14.72	33.43		24.844	311.6	0.032
20									20	13.47	33.23		24.951	301.5	0.062
30									30	12.18	33.43		25.358	262.7	0.091
50									50	10.56	33.68		25.847	216.2	0.139
75									75	10.13	33.79		26.007	201.0	0.191
100									100	9.44	33.90		26.208	181.9	0.240
125									125	9.27	34.03		26.337	169.6	0.284
150									150	9.00	34.07		26.412	162.6	0.326
200									200	8.24	34.11		26.561	148.4	0.406
250									250	7.49	34.11		26.671	137.9	0.479
300									300	6.94	34.13		26.764	129.1	0.548
400									400	5.97	34.23		26.970	109.5	0.672
500									500	5.79	34.31		27.056	101.4	0.784
600									600	5.18	34.37		27.177	89.9	0.886

RV DAVID STARR JORDAN CALCOFI CRUISE 6910 80060

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
34 09.0N		121 09.0W		10/22/69	0705	GMT	2222M	310	7KT	1	00				
Z	T	S	U2	P04	S103	N02	N03	DT	Z	T	S	02	S10T	DT	DD
0	15.77	33.490	6.12	0.22	2.	0.00	0.1	329.1							
10	15.77	33.488	6.20	0.22	2.	0.00	0.2	329.3							
29	14.04	33.528	5.66	0.56	5.	0.15	3.8	290.7							
49	11.11		4.55	1.34	14.	0.12	15.3								
78	10.11		3.60	1.97	23.	0.00	24.2								
109	9.55		2.66	2.46	32.	0.00	30.0								
152	9.11		2.42	2.59	36.	0.00	32.1								
201	8.50		2.10	2.90	42.	0.00	35.3								
250	7.94		1.97												
304	7.16		1.86												
402	6.07	34.145	0.96					117.1							
506	5.73	34.262	0.61					104.3							

RV DAVID STARR JORDAN CALCOFI CRUISE 6910 80070

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
33 48.5N		121 51.0W		10/21/69	2329	GMT	3832M	280	10KT	1	300 2 5				
Z	T	S	U2	P04	S103	N02	N03	DT	Z	T	S	02	S10T	DT	DD
0	16.49	33.53							0	16.49	33.53		24.527	341.8	0.000
10	16.33	33.56							10	16.33	33.56		24.587	336.1	0.034
20	16.32	33.58							20	16.32	33.58		24.604	334.4	0.067
30	14.97	33.48							30	14.97	33.48		24.829	313.1	0.160
50	10.68	33.56							50	10.68	33.56		25.733	227.0	0.154
75	9.64	33.77							75	9.64	33.77		26.074	194.7	0.207
100	8.72	33.93							100	8.72	33.93		26.346	168.8	0.253
125	8.29	34.03							125	8.29	34.03		26.491	155.1	0.294
150	8.11	34.08							150	8.11	34.08		26.557	148.8	0.333
200	7.42	34.12							200	7.42	34.12		26.689	136.2	0.405
250	7.00	34.19							250	7.00	34.19		26.803	125.4	0.472
300	6.42	34.21							300	6.42	34.21		26.897	116.5	0.535
400	5.90	34.28							400	5.90	34.28		27.019	105.0	0.650
500	5.42	34.34							500	5.42	34.34		27.125	94.9	0.756
600	4.97	34.40							600	4.97	34.40		27.225	85.4	0.853

RV DAVID STARR JORDAN CALCOFI CRUISE 6910 80070

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
33 48.5N		121 51.0W		10/22/69	0015	GMT	3832M	270	10KT	1	300 2 5				
Z	T	S	U2	P04	S103	N02	N03	DT	Z	T	S	02	S10T	DT	DD
0	16.47	33.511	5.76	0.44		0.05	0.0	342.7							
10	16.37	33.522	5.84	0.41		0.04	0.0	339.7							
30	16.32		5.84	0.37		0.02	0.0								
49	12.06	33.559	4.67	1.25	12.	0.18	13.4	251.0							
79	9.99		3.78	1.87	22.	0.06	22.7								
109	8.96		3.42	2.15	29.	0.03	27.5								
153	8.27		2.79	2.53	39.	0.01	32.3								
203	7.83		2.03	2.90	48.	0.03	36.3								
251	6.96		1.67												
304	6.47		1.23												
402	5.99	34.197	0.65					112.2							
506	5.45	34.268	0.35					100.6							

RV DAVID STARR JORDAN						CALCOFT CRUISE 6910						80080			
LATITUDE		LONGITUDE		MO/DAY/YR		PASSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
33 20.7N		122 32.0W		10/21/69		1706 GMT			4213M	330	8KT	1	300 3 5		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S10T	DT	DD
									0	15.95	33.30		24.479	346.4	0.000
									10	15.91	33.30		24.483	346.0	0.035
									20	15.79	33.30		24.510	343.4	0.069
									30	14.42	33.24		24.762	319.4	0.102
									50	11.39	33.16		25.296	268.6	0.161
									75	10.04	33.37		25.696	230.6	0.224
									100	9.62	33.78		26.085	193.6	0.278
									125	9.12	33.91		26.268	176.3	0.324
									150	8.75	33.99		26.388	164.8	0.368
									200	8.00	34.06		26.552	148.7	0.448
									250	7.43	34.09		26.664	138.6	0.521
									300	6.86	34.12		26.767	128.8	0.590
									400	6.22	34.25		26.954	111.1	0.715
									500	5.72	34.29		27.049	102.1	0.829
									600	5.23	34.35		27.156	92.0	0.931

RV DAVID STARR JORDAN						CALCOFT CRUISE 6910						80080						
LATITUDE		LONGITUDE		MO/DAY/YR		PASSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
33 28.5N		122 36.6W		10/21/69		1706 GMT			4213M	330	8KT	1	300 3 5					
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S10T	DT	DD			
									0	15.94	33.276		5.75	0.44	2.	0.00	0.4	348.0
									10	15.90	33.283		5.09	0.44	2.	0.00	0.3	347.0
									27	15.90	33.417		0.89	0.37	2.	0.00	0.1	337.2
									45	13.22			0.04	0.72	4.	0.16	3.2	
									72	10.41			5.33	1.20	13.	0.00	12.6	
									99	9.79			4.00	1.81	22.	0.00	20.0	
									138	9.14			2.97	2.28	33.	0.00	28.4	
									183	8.30			2.71	2.46	41.	0.00	30.0	
									228	7.59			2.13	2.87	52.	0.00	33.6	
									277	7.04			1.64					
									370	6.28	34.172		0.96				117.6	
									473	5.77	34.170		0.73					

RV DAVID STARR JORDAN						CALCOFT CRUISE 6910						80080			
LATITUDE		LONGITUDE		MO/DAY/YR		PASSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
33 09.0N		123 15.0W		10/21/69		1105 GMT			3632M	280	12KT	1	290 2 6		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S10T	DT	DD
									0	16.15	33.00		24.199	373.1	0.000
									10	16.15	33.00		24.199	373.1	0.037
									20	16.14	33.00		24.202	372.9	0.075
									30	16.06	32.99		24.212	371.9	0.112
									50	14.54	33.06		24.598	335.0	0.183
									75	12.82	33.15		25.018	295.0	0.262
									100	11.57	33.27		25.348	263.6	0.332
									125	10.15	33.50		25.778	222.8	0.394
									150	9.55	33.68		26.018	199.9	0.447
									200	8.74	33.92		26.335	169.8	0.541
									250	7.90	34.02		26.541	150.3	0.623
									300	7.59	34.05		26.638	141.0	0.698
									400	6.57	34.12		26.832	122.6	0.835
									500	5.74	34.19		26.968	109.8	0.958
									600	5.45	34.28		27.074	99.7	1.069

RV DAVID STARR JORDAN						CALCOFT CRUISE 6910						80090						
LATITUDE		LONGITUDE		MO/DAY/YR		PASSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
33 09.0N		123 13.0W		10/21/69		1154 GMT			3832M	280	12KT	1	290 2 6					
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S10T	DT	DD			
									0	16.11	32.988		5.94	0.41	2.	0.00	0.3	373.1
									10	16.14	32.983		6.05	0.41	2.	0.00	0.3	374.1
									29	16.14			6.05	0.44	2.	0.00	0.4	
									49	14.70	33.066		6.12	0.44	2.	0.00	0.4	337.9
									78	12.80			6.12	0.44	3.	0.37	0.5	
									109	11.27			5.54	0.84	8.	0.00	6.6	
									152	9.75			4.42	1.68	20.	0.00	18.3	
									201	8.65			3.62	2.12	30.	0.00	24.8	
									250	8.04			3.17					
									304	7.50			2.27					
									401	6.35	34.101		1.35				123.4	
									504	5.68	34.268		0.61				107.0	

RV DAVID STARR JORDAN										CALCOFI CRUISE 6910							82047
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
34 17.0N		119 59.0W		10/22/69		1A05 GMT				556M	240	2KT	1	260 1 4			
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD		
0									0	16.06	33.49		24.595	335.3	0.000		
10									10	16.01	33.48		24.598	335.0	0.034		
20									20	15.70	33.52		24.699	325.4	0.067		
30									30	14.80	33.44		24.835	312.5	0.099		
50									50	13.41	33.40		25.094	287.8	0.159		
75									75	10.54	33.53		25.734	226.9	0.224		
100									100	10.22	33.87		26.054	196.5	0.277		
125									125	9.89	33.96		26.180	184.6	0.325		
150									150	9.69	34.01		26.252	177.7	0.371		
200									200	9.19	34.16		26.451	158.8	0.457		
250									250	8.79	34.20		26.546	149.8	0.536		
300									300	8.36	34.24		26.644	140.5	0.611		
400									400	7.31	34.28		26.830	122.8	0.749		
500									500	6.56	34.31		26.957	110.8	0.873		

RV DAVID STARR JORDAN										CALCOFI CRUISE 6910							82047
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
34 17.0N		119 59.0W		10/22/69		1918 GMT				556M	240	2KT	1	260 1 4			
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD		
1	16.21	33.474	5.95	0.44	2.	0.00	0.1	339.8									
11	15.99	33.487	6.16	0.41	1.	0.00	0.0	334.1									
30	14.98		5.92	0.56	3.	0.00	2.3										
49	12.46	33.393	5.65	0.84	6.	0.07	6.0	270.5									
79	10.25		4.52	1.50	16.	0.00	18.3										
108	10.17		3.08	2.15	27.	0.00	26.8										
152	7.62		2.59	2.43	52.	0.00	31.0										
200	7.21		1.94	2.78	89.	0.00	34.7										
249	8.80		1.54														
303	8.20		1.20														
400	7.18	34.243	0.68					123.8									
503	6.54	34.269	0.14					113.6									

RV DAVID STARR JORDAN										CALCOFI CRUISE 6910							83043
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
34 08.0N		119 34.0W		10/23/69		0025 GMT				242M	300	10KT	1	280 1 4			
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD		
0									0	16.74	33.48		24.431	351.0	0.000		
10									10	16.46	33.48		24.496	344.6	0.035		
20									20	16.40	33.48		24.503	344.1	0.069		
30									30	16.15	33.46		24.551	339.5	0.104		
50									50	12.39	33.38		25.279	270.2	0.165		
75									75	11.30	33.49		25.568	242.7	0.229		
100									100	10.05	33.82		26.044	197.5	0.285		
125									125	9.50	34.05		26.315	171.7	0.331		
150									150	9.30	34.10		26.387	164.9	0.374		
200									200	8.95	34.17		26.498	154.4	0.456		

RV DAVID STARR JORDAN										CALCOFI CRUISE 6910							83043
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
34 08.0N		119 34.0W		10/23/69		0057 GMT				242M	300	10KT	1	280 1 4			
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD		
0	16.81	33.501	5.87	0.34	2.	0.00	0.3	351.0									
10	16.60	33.493	5.95	0.37	2.	0.00	0.2	346.9									
30	16.31	33.486	5.95	0.41	2.	0.00	0.5	341.1									
49	14.05		5.87	0.59	4.	0.00	1.7										
77	10.99		4.48	1.34	15.	0.00	12.9										
106	9.83		3.05	2.18	29.	0.00	23.1										
150	9.30	34.071	2.28	2.62	56.	0.00	28.1	167.1									
200	8.90	34.157	1.56	3.00	44.	0.00	32.2	154.6									

RV DAVID STARR JORDAN										CALCOFI CRUISE 6910							83051
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
33 52.0N		120 08.5W		10/23/69		0537 GMT				108M	330	4KT	0	00			
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD		
0	16.26	33.486	6.01	0.44	1.	0.00	0.0	340.0	0	16.26	33.486	6.01	24.546	340.0	0.000		
10	16.23	33.486	5.85	0.37	2.	0.00	0.0	339.3	10	16.23	33.486	5.85	24.553	339.3	0.034		
30	14.75	33.424	5.91	0.50	3.	0.03	1.1	312.7	20	15.64	33.460	5.88	24.664	328.7	0.067		
49	12.83	33.387	5.49	0.75	6.	0.06	4.1	277.8	30	14.75	33.424	5.91	24.833	312.7	0.100		
79	11.50	33.499	4.71	1.19	12.	0.00	9.5	245.5	50	12.75	33.390	5.47	25.215	276.3	0.159		
									75	11.56	33.478	4.82	25.510	248.2	0.225		

RV DAVIU STARK JORDAN						CALCOFI CRUISE 6910						83060			
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
33 34.0N	120 45.0W	10/23/69	1113	GMT	1664M	310		2	310						
Z	T	S	02	P04	SIC3	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD
									0	15.97	33.37		24.523	342.2	0.000
									10	15.95	33.37		24.528	341.7	0.034
									20	15.95	33.37		24.528	341.7	0.068
									30	15.90	33.36		24.531	341.4	0.103
									50	11.12	32.99		25.213	276.5	0.165
									75	10.37	33.40		25.663	233.7	0.229
									100	9.66	33.62		25.953	206.1	0.264
									125	9.27	33.80		26.158	186.7	0.334
									150	9.01	33.91		26.285	174.6	0.380
									200	8.31	34.04		26.495	154.6	0.464
									250	7.79	34.08		26.604	144.3	0.540
									300	7.20	34.13		26.728	132.5	0.612
									400	6.18	34.23		26.944	112.1	0.739
									500	5.62	34.31		27.077	99.4	0.851
									600	5.23	34.36		27.163	91.2	0.953

RV DAVIU STARK JORDAN						CALCOFI CRUISE 6910						83070			
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
33 14.0N	121 26.0W	10/23/69	1418	GMT	1926M	290	4KT	2	320 3 8						
Z	T	S	02	P04	SIC3	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD
									0	15.94	33.36		24.522	342.3	0.000
									10	16.07	33.41		24.531	341.4	0.034
									20	16.10	33.44		24.547	339.9	0.068
									30	16.19	33.46		24.542	340.4	0.102
									50	13.29	33.10		24.887	307.6	0.167
									75	10.72	33.16		25.415	257.3	0.238
									100	9.79	33.60		25.916	209.6	0.297
									125	9.15	33.79		26.169	185.6	0.347
									150	8.83	33.93		26.329	170.4	0.392
									200	8.19	34.03		26.506	153.6	0.475
									250	7.59	34.03		26.623	142.5	0.551
									300	6.89	34.09		26.739	131.5	0.621
									400	6.23	34.20		26.914	114.9	0.750
									500	5.61	34.30		27.070	100.1	0.863
									600	5.21	34.38		27.182	89.5	0.964

RV DAVIU STARK JORDAN						CALCOFI CRUISE 6910						83080			
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
32 54.0N	122 08.0W	10/23/69	2007	GMT	4309M		0KT	1	310 2 7						
Z	T	S	02	P04	SIC3	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD
									0	16.19	33.22		24.359	357.9	0.000
									10	16.11	33.23		24.384	355.4	0.036
									20	15.99	33.23		24.412	352.8	0.071
									30	15.79	33.18		24.418	352.2	0.106
									50	12.48	33.06		25.015	295.4	0.171
									75	10.86	33.24		25.453	253.7	0.240
									100	9.94	33.49		25.806	220.1	0.300
									125	9.22	33.82		26.181	184.5	0.351
									150	8.72	33.94		26.354	168.0	0.396
									200	8.01	34.03		26.533	151.1	0.477
									250	7.29	34.10		26.692	136.0	0.551
									300	6.64	34.11		26.789	126.8	0.619
									400	6.12	34.24		26.959	110.6	0.742
									500	5.45	34.29		27.082	99.0	0.853
									600	5.14	34.37		27.182	89.5	0.953

RV DAVIU STARK JORDAN						CALCOFI CRUISE 6910						83090			
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
32 34.5N	122 48.0W	10/24/69	0054	GMT	4213M	160	2KT	1	310 2 7						
Z	T	S	02	P04	SIC3	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD
									0	16.97	33.11		24.095	383.1	0.000
									10	16.10	33.17		24.341	359.6	0.037
									20	15.97	33.18		24.378	356.1	0.073
									30	15.66	33.10		24.386	355.3	0.109
									50	12.31	33.10		25.078	289.3	0.173
									75	10.64	33.11		25.391	259.6	0.242
									100	9.71	33.55		25.891	212.1	0.302
									125	9.27	33.80		26.158	186.7	0.352
									150	8.92	33.94		26.323	171.0	0.397
									200	8.07	34.02		26.516	152.7	0.480
									250	7.35	34.09		26.675	137.5	0.554
									300	6.74	34.08		26.752	130.3	0.623
									400	5.64	34.18		26.972	109.4	0.748
									500	5.39	34.27		27.073	99.8	0.858
									600	5.03	34.38		27.200	87.7	0.958

RV DAVID STARR JORDAN CALCOFI CRUISE 6910 87035

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
33 50.0N		118 37.5W		10/25/69		0829 GMT			436M	280	4KT	1	280 2 5		
Z	T	S	Q2	P04	S103	N02	N03	DT	Z	T	S	Q2	SIGT	DT	DD
									0	17.59	33.58		24.154	377.4	0.000
									10	16.94	33.31		24.254	367.8	0.037
									20	15.09	33.29		24.657	329.4	0.072
									30	14.48	33.21		24.726	322.8	0.105
									50	12.24	33.27		25.223	275.6	0.165
									75	11.09	33.42		25.552	244.3	0.230
									100	10.40	33.56		25.782	222.4	0.289
									125	10.05	33.70		25.951	206.4	0.343
									150	9.70	33.88		26.149	187.5	0.393
									200	9.30	34.07		26.363	167.1	0.444
									250	8.85	34.18		26.524	151.8	0.565
									300	8.18	34.24		26.672	137.9	0.640
									400	7.54	34.29		26.834	122.5	0.776

RV DAVID STARR JORDAN CALCOFI CRUISE 6910 87035

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
33 50.0N		118 37.5W		10/25/69		0857 GMT			436M	280	4KT	1	280 2 5					
Z	T	S	Q2	P04	S103	N02	N03	DT	Z	T	S	Q2	SIGT	DT	DD			
									1	17.45	33.404		5.71	0.22	1.	0.00	0.0	372.9
									10	17.34	33.403		5.89	0.34	1.	0.00	0.0	370.0
									30	14.70	33.282		6.27	0.37	1.	0.00	0.0	323.5
									50	12.56			5.95	0.56	6.	0.02	1.7	
									79	11.06			5.07	1.15	12.	0.00	10.8	
									108	10.39			4.28	1.56	16.	0.00	16.2	
									150	9.77			3.32	2.03	28.	0.00	23.4	
									200	9.38			2.24	2.53	35.	0.00	29.1	
									249	8.82			1.76					
									303	8.18	34.272		1.23				139.2	
									402	7.29	34.270		0.73				123.3	

RV DAVID STARR JORDAN CALCOFI CRUISE 6910 87040

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
33 40.0N		118 58.0W		10/25/69		0508 GMT			833M	280	7KT	1	280 1		
Z	T	S	Q2	P04	S103	N02	N03	DT	Z	T	S	Q2	SIGT	DT	DD
									0	16.19	33.57		24.627	332.3	0.000
									10	16.19	33.57		24.627	332.3	0.033
									20	15.34	33.55		24.802	315.4	0.066
									30	15.02	33.53		24.856	310.4	0.097
									50	11.40	33.35		25.441	254.8	0.154
									75	10.17	33.61		25.860	215.0	0.213
									100	9.88	33.91		26.143	188.1	0.264
									125	9.69	34.02		26.260	176.9	0.310
									150	9.17	34.05		26.369	166.6	0.354
									200	8.75	34.17		26.532	151.1	0.435
									250	8.17	34.21		26.650	140.0	0.509
									300	7.82	34.24		26.725	132.8	0.580
									400	7.24	34.30		26.856	120.4	0.712
									500	6.47	34.33		26.985	108.2	0.833
									600	5.73	34.39		27.127	94.7	0.942

RV DAVID STARR JORDAN CALCOFI CRUISE 6910 87040

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
33 40.0N		118 58.0W		10/25/69		0548 GMT			833M	280	7KT	1	280 1 5					
Z	T	S	Q2	P04	S103	N02	N03	DT	Z	T	S	Q2	SIGT	DT	DD			
									0	16.16	33.568		6.03	0.34	2.	0.00	0.0	331.8
									10	16.17	33.568		6.18	0.28	2.	0.00	0.0	332.0
									29	15.18			5.95	0.41	3.	0.02	1.3	
									49	11.58	33.308		5.31	0.97	8.	0.14	7.9	261.0
									77	10.15			4.42	1.56	18.	0.00	17.5	
									105	9.84			3.06	2.18	27.	0.00	25.1	
									149	9.15			2.67	2.46	34.	0.00	28.4	
									198	8.85			1.82	2.87	42.	0.01	33.4	
									247	8.18			1.56					
									302	7.71			1.34					
									400	7.23	34.262		0.80				123.1	
									502	6.44	34.298		0.50				110.2	

RV DAVID STARBUCK JORDAN										CALCOFI CRUISE 6910						87045
LATITUDE	LONGITUDE	MO/DAY/YR	PASSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
33 30.0N	119 19.0W	10/25/69	NO2	NO3	1664M	260	5KT	0	49							
Z	T	S	U2	P04	S103	NO2	NO3	DT	Z	T	S	U2	S10T	DT	DD	
0	15.85												24.742	321.3	0.000	
10	15.18												24.675	308.6	0.032	
20	11.42												25.694	230.8	0.059	
30	10.91												25.840	216.9	0.081	
50	9.65												26.111	191.1	0.122	
75	9.31												26.245	178.4	0.168	
100	9.10												26.380	165.6	0.212	
125	8.89												26.460	157.9	0.253	
150	8.55												26.568	147.7	0.292	
200	8.36												26.629	142.0	0.366	
250	8.15												26.676	137.4	0.438	
300	7.85												26.766	128.9	0.507	
400	6.95												26.888	117.3	0.635	
500	6.50												26.957	110.8	0.756	
600	5.74												27.094	97.8	0.868	

RV DAVID STARBUCK JORDAN										CALCOFI CRUISE 6910						87045
LATITUDE	LONGITUDE	MO/DAY/YR	PASSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
33 30.0N	119 19.0W	10/25/69	NO2	NO3	1664M	260	5KT	0	49							
Z	T	S	U2	P04	S103	NO2	NO3	DT	Z	T	S	U2	S10T	DT	DD	
0	15.86	33.697	4.01	0.22	2.	0.00	0.6	315.9								
10	15.27	33.678	5.65	1.34	4.	0.00	2.3	304.9								
30	10.80		3.61	1.81	22.	0.05	20.4									
49	9.61	33.871	3.17	2.12	27.	0.00	24.6	190.4								
79	9.28		2.85	2.31	31.	0.00	27.0									
108	7.04		2.47	2.59	35.	0.00	29.8									
152	4.57		1.74	2.93	44.	0.00	33.9									
201	3.33		1.59	3.15	48.	0.00	35.6									
250	2.11		1.0													
303	7.56		0.91													
402	6.97	34.269	0.68					119.1								
506	5.48	34.291	0.44					111.2								

RV DAVID STARBUCK JORDAN										CALCOFI CRUISE 6910						87040
LATITUDE	LONGITUDE	MO/DAY/YR	PASSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
33 20.0N	119 39.5W	10/24/69	NO2	NO3	75M	290	2KT	2	270 1 5							
Z	T	S	U2	P04	S103	NO2	NO3	DT	Z	T	S	U2	S10T	DT	DD	
0	15.87												24.676	327.6	0.000	
10	15.79												24.679	327.4	0.033	
20	15.46												24.722	323.3	0.065	
30	14.49												24.886	307.7	0.097	
50	10.59												25.042	216.7	0.150	

RV DAVID STARBUCK JORDAN										CALCOFI CRUISE 6910						87060
LATITUDE	LONGITUDE	MO/DAY/YR	PASSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
33 00.0N	120 21.5W	10/24/69	NO2	NO3	836M		6KT	2	290 1 6							
Z	T	S	U2	P04	S103	NO2	NO3	DT	Z	T	S	U2	S10T	DT	DD	
0	16.53												24.434	350.7	0.000	
10	16.31												24.461	348.1	0.035	
20	15.92												24.496	344.8	0.070	
30	15.80												24.516	342.9	0.104	
50	11.94												25.272	270.9	0.166	
75	10.25												25.815	219.2	0.227	
100	9.62												26.069	195.1	0.280	
125	9.38												26.241	178.8	0.327	
150	9.15												26.356	167.8	0.371	
200	8.69												26.507	153.5	0.453	
250	8.07												26.633	141.5	0.529	
300	7.34												26.732	132.2	0.599	
400	6.84												26.880	118.1	0.730	
500	6.11												27.016	105.2	0.848	
600	5.43												27.148	92.7	0.954	

RV DAVID STARR JORDAN CALCOFI CRUISE 6910 87070

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
32 40.0N		121 05.0W		10/24/69		1413 GMT			3926M	170	2KT	2	250 1 8		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	16.11	33.35		24.476	346.6	0.000
									10	16.05	33.35		24.490	345.3	0.035
									20	16.02	33.36		24.504	344.0	0.069
									30	15.50	33.22		24.513	343.1	0.104
									50	12.21	33.11		25.105	286.8	0.167
									75	10.59	33.31		25.555	244.0	0.233
									100	10.04	33.54		25.828	218.0	0.292
									125	9.50	33.75		26.081	194.0	0.344
									150	9.02	33.83		26.221	180.7	0.391
									200	8.29	33.99		26.459	158.0	0.477
									250	7.50	34.04		26.615	143.3	0.555
									300	6.82	34.11		26.765	129.1	0.625
									400	6.15	34.20		26.926	113.7	0.751
									500	5.62	34.30		27.069	100.2	0.864
									600	5.24	34.37		27.170	90.6	0.966

RV DAVID STARR JORDAN CALCOFI CRUISE 6910 87080

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
32 19.5N		121 45.0W		10/24/69		0930 GMT			4309M	240	2KT	1	250 1 8		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	17.22	33.06		23.998	392.3	0.000
									10	16.95	33.05		24.053	387.0	0.039
									20	16.95	33.05		24.058	386.5	0.078
									30	16.91	33.05		24.065	386.1	0.116
									50	13.81	32.98		24.689	326.4	0.188
									75	12.43	33.15		25.094	287.9	0.265
									100	11.07	33.24		25.416	257.2	0.334
									125	10.22	33.56		25.813	219.5	0.394
									150	9.22	33.76		26.134	188.9	0.446
									200	8.52	33.95		26.423	161.4	0.535
									250	7.60	34.03		26.593	145.4	0.613
									300	6.90	34.07		26.722	133.1	0.685
									400	6.04	34.16		26.906	115.6	0.814
									500	5.60	34.26		27.040	102.9	0.929
									600	5.10	34.36		27.179	89.8	1.032

RV DAVID STARR JORDAN CALCOFI CRUISE 6910 87090

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
31 59.0N		122 24.0W		10/24/69		0921 GMT			4022M	210	4KT	0	220 1 8		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	16.85	33.05		24.077	384.8	0.000
									10	16.62	33.04		24.122	380.4	0.038
									20	16.47	33.07		24.180	374.9	0.076
									30	16.40	33.07		24.196	373.4	0.114
									50	15.12	32.94		24.382	355.7	0.187
									75	12.59	32.97		24.924	304.0	0.270
									100	10.99	33.31		25.484	250.7	0.339
									125	10.09	33.53		25.812	219.6	0.399
									150	9.11	33.78		26.168	185.7	0.450
									200	8.39	33.95		26.413	162.4	0.539
									250	7.58	34.04		26.603	144.4	0.617
									300	6.93	34.05		26.702	135.0	0.689
									400	6.01	34.12		26.879	118.2	0.821
									500	5.63	34.24		27.021	104.8	0.938
									600	5.09	34.34		27.164	91.2	1.043

RV DAVID STARR JORDAN CALCOFI CRUISE 6910 90028

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
33 28.5N		117 46.5W		10/25/69		1446 GMT			97M	010	2KT	2	090 1 4		
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD
									0	16.84	33.29		24.262	367.0	0.000
									10	16.72	33.38		24.359	357.8	0.036
									20	14.42	33.22		24.747	320.9	0.070
									30	13.79	33.23		24.886	307.7	0.102
									50	12.09	33.35		25.313	267.0	0.159
									75	11.87	33.46		25.440	254.9	0.225

RV DAVID STARR JORDAN CALCOFI CRUISE 6910 90028

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
33 28.5N		117 46.5W		10/25/69		1528 GMT			97M	010	2KT	2	090 1 4			
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
									0	16.84	33.425		5.85	24.366	357.2	0.000
									10	16.47	33.416		5.93	24.445	349.7	0.035
									20	15.14	33.343		5.93	24.684	326.8	0.069
									30	13.62	33.285		5.92	24.963	300.3	0.101
									49	12.08	33.324		5.66	25.308	267.5	0.158
									79	11.63	33.476		4.65	25.493	249.9	0.223

RV DAVID STARR JORDAN										CALCOFI CRUISE 6910						90032
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
33 20.5N	118 03.0W	10/25/69	N02	N03	GMT	741M	320	3KT	1	340	1	3				
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
0	17.41	33.39								24.204	372.6		0.000			
10	17.39	33.39								24.209	372.1		0.037			
20	17.31	33.37								24.213	371.8		0.074			
30	15.74	33.22								24.460	348.2		0.111			
50	13.71	33.26								24.925	303.9		0.176			
75	11.62	33.38								25.424	256.4		0.246			
100	10.41	33.58								25.796	221.1		0.307			
125	9.79	33.73								26.018	200.0		0.360			
150	9.24	33.86								26.209	181.8		0.408			
200	8.41	34.04								26.440	156.1		0.494			
250	8.31	34.19								26.582	146.4		0.572			
300	8.06	34.23								26.682	136.9		0.645			
400	7.16	34.27								26.844	121.6		0.780			
500	6.30	34.32								26.999	106.8		0.901			
600	5.75	34.39								27.124	95.0		1.009			

RV DAVID STARR JORDAN										CALCOFI CRUISE 6910						90032
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
33 20.5N	118 03.0W	10/25/69	N02	N03	GMT	741M	320	3KT	1	340	1	3				
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
0	17.38	33.414	5.83	0.53	1.	0.00	0.2	370.1								
10	17.36	33.414	5.75	0.44	1.	0.00	0.0	369.7								
30	16.53		6.24	0.34	1.	0.00	0.1									
49	13.68	33.260	6.23	0.44	3.	0.00	0.3	303.3								
77	11.42		5.08	1.09	9.	0.00	9.6									
107	10.51		4.22	1.59	17.	0.00	16.0									
151	9.42		3.45	2.05	26.	0.00	23.6									
200	9.84		2.62	2.59	36.	0.00	29.8									
251	8.61		1.62													
305	8.06		1.22													
404	7.12	34.255	0.76					122.2								
508	6.28	34.311	0.42					107.2								

RV DAVID STARR JORDAN										CALCOFI CRUISE 6910						90037
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
33 11.0N	118 22.5W	10/25/69	N02	N03	GMT	1202M	320	3KT	1	270	1	3				
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
0	17.72	33.49								24.206	372.4		0.000			
10	17.10	33.41								24.293	364.1		0.037			
20	15.79	33.35								24.548	339.8		0.072			
30	13.86	33.29								24.917	304.7		0.104			
50	11.80	33.44								25.437	255.2		0.161			
75	10.10	33.59								25.856	215.3		0.220			
100	9.52	33.83								26.140	188.3		0.271			
125	9.20	33.93								26.270	176.0		0.317			
150	8.95	34.02								26.380	165.5		0.360			
200	8.97	34.20								26.518	152.5		0.441			
250	8.65	34.25								26.607	144.0		0.517			
300	7.77	34.27								26.756	129.9		0.588			
400	7.15	34.32								26.884	117.7		0.718			
500	6.54	34.36								26.999	106.8		0.837			
600	5.76	34.42								27.147	92.8		0.944			

RV DAVID STARR JORDAN										CALCOFI CRUISE 6910						90037
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
33 11.0N	118 22.5W	10/25/69	N02	N03	GMT	1202M	320	3KT	1	270	1	3				
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
1	17.59	33.483	5.76	0.41	1.	0.00	0.1	369.9								
10	17.34	33.455	5.82	0.34	0.	0.00	0.0	366.2								
30	14.25	33.335	6.14	0.47	3.	0.00	0.2	309.2								
50	12.03		5.03	1.06	8.	0.00	8.0									
78	10.28		4.25	1.75	17.	0.00	16.7									
108	9.48		3.45	2.12	25.	0.00	23.2									
151	9.10		3.07													
198	8.89		1.91	3.00	40.	0.00	31.7									
246	8.60		1.56													
300	7.78		1.32													
399	7.14	34.252	0.81					122.6								
503	6.47	34.294	0.50					110.9								

RV DAVID STARR JORDAN											CALCOFI CRUISE 6910					90039
LATITUDE	LONGITUDE	MO/DA/YR	MESSENGER TIME			DEPTH	WIND	SPEED	WEATHER	DOMINANT WAVES						
33 07.0N	118 30.5W	10/25/69	2237	GMT	1369M	270	4KT	1	270	1	4					
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD	
									0	17.59	33.53		24.268	366.5	0.000	
									10	17.17	33.48		24.330	360.6	0.036	
									20	16.46	33.27		24.335	360.1	0.072	
									30	13.35	33.28		25.013	295.5	0.105	
									50	11.92	33.38		25.369	261.7	0.161	
									75	10.58	33.57		25.758	224.6	0.222	
									100	9.90	33.73		25.999	201.7	0.276	
									125	9.72	33.95		26.201	182.6	0.325	
									150	9.47	34.04		26.312	172.0	0.370	
									200	9.15	34.20		26.489	155.2	0.453	
									250	8.94	34.22		26.538	150.5	0.532	
									300	8.21	34.27		26.691	136.1	0.606	
									400	7.04	34.30		26.884	117.8	0.739	
									500	6.51	34.35		26.995	107.2	0.858	
									600	5.82	34.40		27.123	95.0	0.967	

RV DAVID STARR JORDAN											CALCOFI CRUISE 6910					90045
LATITUDE	LONGITUDE	MO/DA/YR	MESSENGER TIME			DEPTH	WIND	SPEED	WEATHER	DOMINANT WAVES						
32 54.5N	118 55.5W	10/26/69	0140	GMT	1757M	300	10KT	1	310	1	5					
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD	
									0	16.35	33.44		24.490	345.3	0.000	
									10	15.94	33.36		24.522	342.3	0.034	
									20	15.95	33.42		24.966	338.1	0.068	
									30	15.80	33.41		24.992	335.6	0.102	
									50	14.22	33.30		24.848	311.2	0.167	
									75	10.86	33.52		25.670	233.0	0.236	
									100	9.78	33.74		26.027	199.1	0.290	
									125	9.34	33.93		26.248	178.1	0.338	
									150	9.14	34.00		26.334	169.9	0.382	
									200	8.81	34.09		26.457	158.2	0.466	
									250	8.25	34.20		26.630	141.8	0.543	
									300	7.24	34.17		26.754	130.1	0.613	
									400	6.64	34.25		26.900	116.2	0.741	
									500	6.14	34.34		27.035	103.4	0.857	
									600	5.66	34.40		27.143	93.2	0.963	

RV DAVID STARR JORDAN											CALCOFI CRUISE 6910					90045	
LATITUDE	LONGITUDE	MO/DA/YR	MESSENGER TIME			DEPTH	WIND	SPEED	WEATHER	DOMINANT WAVES							
32 54.5N	118 55.5W	10/26/69	0217	GMT	1757M	300	10KT	1	310	1	5						
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD		
									0	16.25	33.401	5.87	0.34	3.	0.00	0.4	346.0
									10	15.99	33.380	5.95	0.34	2.	0.00	0.4	341.9
									30	15.77		5.87	0.34	2.	0.00	0.3	
									49	14.37	33.375	5.89	0.37	3.	0.00	0.4	308.5

RV DAVID STARR JORDAN											CALCOFI CRUISE 6910					90043
LATITUDE	LONGITUDE	MO/DA/YR	MESSENGER TIME			DEPTH	WIND	SPEED	WEATHER	DOMINANT WAVES						
32 39.0N	119 28.5W	10/26/69	0610	GMT	1341M	290	4KT	2	350	1	4					
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD	
									0	17.39	33.49		24.285	364.8	0.000	
									10	17.39	33.49		24.285	364.8	0.036	
									20	17.35	33.48		24.287	364.6	0.073	
									30	17.28	33.45		24.281	365.2	0.110	
									50	14.48	33.31		24.803	315.5	0.178	
									75	12.12	33.31		25.277	270.5	0.252	
									100	10.65	33.59		25.762	224.3	0.314	
									125	9.92	33.77		26.027	199.1	0.367	
									150	9.71	33.94		26.195	183.2	0.416	
									200	8.81	34.09		26.457	158.2	0.503	
									250	8.58	34.21		26.587	145.9	0.581	
									300	8.14	34.26		26.693	135.8	0.654	
									400	7.27	34.30		26.852	120.8	0.788	
									500	6.41	34.36		27.016	105.2	0.908	
									600	5.85	34.40		27.122	95.1	1.016	

RV DAVID STARR JORDAN										CALCOFI CRUISE 6910						90053
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND SPEED		WEATHER		DOMINANT WAVES		
32 39.0N		119 28.5W		10/26/69		0650 GMT		1341M		290 4KT		2		350 1 4		
Z	T	S	U2	P04	S103	N02	N03	DT	Z	T	S	U2	SIGT	DT	DD	
0	17.33	33.479	5.73	0.37	1.	0.00	0.1	364.3								
9	17.36	33.478	5.60	0.31	0.	0.00	0.0	365.0								
28	17.21		5.75	0.31	1.	0.00	0.1									
47	16.22	33.392	5.89	0.34	1.	0.00	0.1	346.0								
75	12.45		5.66	0.72	4.	0.04	4.0									
103	10.77		4.42	1.50	14.	0.00	14.7									
144	3.76		3.32	2.15	25.	0.00	23.9									
191	8.97		2.61	2.46	34.	0.00	28.4									
237	5.79		2.22													
288	3.22		1.64													
384	7.52	34.244	0.93					125.6								
487	6.50	34.299	0.54					110.9								

RV DAVID STARR JORDAN										CALCOFI CRUISE 6910						90060
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND SPEED		WEATHER		DOMINANT WAVES		
32 25.0N		119 58.0W		10/26/69		1025 GMT		910M		280 10KT		2		330 1 5		
Z	T	S	U2	P04	S103	N02	N03	DT	Z	T	S	U2	SIGT	DT	DD	
0	16.92	33.48											24.389	355.0	0.000	
10	16.92	33.48											24.389	355.0	0.036	
20	16.90	33.48											24.394	354.5	0.071	
30	16.40	33.35											24.410	353.0	0.106	
50	11.84	33.12											25.182	279.5	0.170	
75	11.04	33.40											25.345	244.9	0.236	
100	10.47	33.61											25.809	219.7	0.274	
125	9.39	33.81											26.146	187.8	0.346	
150	9.08	33.95											26.305	172.7	0.392	
200	7.99	34.02											26.528	151.5	0.474	
250	7.40	34.09											26.668	138.2	0.549	
300	6.95	34.14											26.770	128.5	0.617	
400	6.10	34.21											26.938	112.6	0.743	
500	5.89	34.33											27.059	101.1	0.856	
600	5.52	34.42											27.200	87.7	0.957	

RV DAVID STARR JORDAN										CALCOFI CRUISE 6910						90060
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND SPEED		WEATHER		DOMINANT WAVES		
32 25.0N		119 58.0W		10/26/69		1111 GMT		910M		280 10KT		2		330 1 5		
Z	T	S	U2	P04	S103	N02	N03	DT	Z	T	S	U2	SIGT	DT	DD	
1	16.95	33.473	5.67	0.37	0.	0.00	0.0	356.1								
10	16.97	33.472	5.75	0.34	0.	0.00	0.0	356.7								
30	15.85	33.462	5.76	0.34	0.	0.00	0.0	354.3								
49	13.66		5.87	1.56	1.	0.37	1.0									
78	11.00		5.10	1.03	8.	0.00	9.5									
107	10.36		4.11	1.62	17.	0.00	16.8									
151	9.00		3.10	2.25	27.	0.00	25.9									
200	7.96		2.79	2.40	35.	0.00	29.4									
249	7.37		2.30													
304	6.87		1.60													
403	6.04	34.147	0.93					116.6								
506	5.51	34.272	0.40					104.5								

RV DAVID STARR JORDAN										CALCOFI CRUISE 6910						90070
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND SPEED		WEATHER		DOMINANT WAVES		
32 05.0N		120 38.5W		10/26/69		1525 GMT		1926M		300 10KT		2		320 2 5		
Z	T	S	U2	P04	S103	N02	N03	DT	Z	T	S	U2	SIGT	DT	DD	
0	16.42	33.28											24.352	358.5	0.000	
10	16.42	33.28											24.352	358.5	0.036	
20	16.31	33.32											24.408	353.2	0.071	
30	15.61	33.11											24.405	353.5	0.107	
50	11.72	32.99											25.104	286.9	0.171	
75	10.54	33.29											25.348	244.7	0.238	
100	9.63	33.67											25.997	201.9	0.294	
125	9.25	33.78											26.145	187.9	0.343	
150	9.10	33.93											26.286	174.5	0.389	
200	8.42	34.11											26.533	151.0	0.472	
250	7.90	34.19											26.674	137.6	0.547	
300	7.19	34.19											26.776	127.9	0.615	
400	6.66	34.32											26.951	111.3	0.740	
500	5.51	34.30											27.083	98.9	0.851	
600	5.22	34.38											27.180	89.6	0.952	

RV DAVIU STARK JORDAN										CALCOFI CRUISE 6910						90070
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
32 05.0N		120 38.5W		10/26/69		1619		GMT	3926M	300	10KT	2	320 2 5			
Z	T	S	02	P04	SIG3	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD	
0	16.38	33.272	5.77	0.44	1.	0.00	0.0	358.2								
10	16.39	33.272	5.75	0.41	1.	0.00	0.0	358.4								
30	15.99		5.75	0.41	1.	0.00	0.0									
49	12.36	33.015	6.08	0.53	2.	0.35	0.7	296.5								
78	10.48		5.63	0.78	5.	0.00	5.2									
108	9.67		4.46	1.56	15.	0.00	16.5									
152	9.07		3.32	2.12	27.	0.00	25.1									
201	8.49		2.49	2.53	36.	0.00	30.0									
251	7.96															
306	7.26															
405	6.80	34.258						117.8								
509	5.51	34.207	0.59					105.9								

RV DAVIU STARK JORDAN										CALCOFI CRUISE 6910						90080
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
31 44.5N		121 19.5W		10/26/69		2125		GMT	3738M	010	4KT	1	330 1 5			
Z	T	S	02	P04	SIG3	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD	
0	17.10	33.10											24.056	386.7	0.000	
10	17.06	33.10											24.066	385.8	0.039	
20	17.00	33.12											24.095	383.0	0.077	
30	16.96	33.12											24.104	382.1	0.115	
50	14.60	33.07											24.593	335.5	0.187	
75	13.06	33.27											25.064	290.7	0.266	
100	12.70	33.52											25.327	265.6	0.336	
125	11.21	33.48											25.577	241.9	0.400	
150	9.79	33.65											25.955	205.9	0.457	
200	8.75	33.92											26.334	170.0	0.553	
250	7.87	34.05											26.569	147.6	0.634	
300	7.24	34.10											26.699	135.3	0.707	
400	6.23	34.19											26.906	115.7	0.838	
500	5.75	34.31											27.061	100.9	0.952	
600	5.16	34.38											27.188	88.9	1.053	

RV DAVIU STARK JORDAN										CALCOFI CRUISE 6910						90080
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
31 44.5N		121 19.5W		10/26/69		2200		GMT	3738M	010	4KT	1	330 1 5			
Z	T	S	02	P04	SIG3	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD	
1	17.10	33.095	5.75		2.	0.00	0.0	387.1								
9	17.10	33.092	5.71		1.	0.00	0.0	387.3								
28	16.97		5.75		2.	0.00	0.0									
47	16.95	33.116	5.77		1.	0.00	0.0	381.7								
73	15.49		6.32		2.	0.00	0.0									
101	12.78		5.89		2.	0.10	0.3									
142	10.48		5.06	0.97	9.	0.00	9.5									
188	8.99		3.52	2.09	26.	0.00	24.3									
235	8.23		3.19	2.31	34.	0.02	28.1									
286	7.50		2.61													
381	6.56	34.098	1.49					126.6								
484	5.70	34.182	0.69					109.9								

RV DAVIU STARK JORDAN										CALCOFI CRUISE 6910						90090
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
31 24.0N		122 01.0W		10/27/69		0305		GMT	3926M	340	12KT	2	330 2 5			
Z	T	S	02	P04	SIG3	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD	
0	17.69	33.15											23.954	396.4	0.000	
10	17.68	33.15											23.957	396.2	0.040	
20	17.58	33.14											23.978	394.7	0.079	
30	17.36	33.13											24.018	390.4	0.119	
50	15.82	33.04											24.304	363.1	0.194	
75	13.35	33.23											24.575	299.2	0.277	
100	12.29	33.21											25.167	280.9	0.350	
125	12.18	33.55											25.451	253.9	0.418	
150	10.45	33.53											25.753	225.1	0.479	
200	8.85	33.90											26.303	172.9	0.580	
250	8.00	34.00											26.511	153.2	0.663	
300	7.30	34.06											26.659	139.1	0.739	
400	6.51	34.16											26.872	118.9	0.873	
500	5.62	34.30											27.069	100.2	0.988	

RV DAVID STARR JORDAN										CALCOFI CRUISE 6910						90090
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
31 24.0N		122 01.0W		10/27/69		0341		GMT	3926M	340	12KT	2	330 2 5			
Z	T	S	U2	P04	SIC3	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
0	17.65	33.159	5.64	0.41	0.	0.00	0.0	394.9								
11	17.68	33.157	5.63	0.37	0.	0.00	0.0	395.7								
31	17.40	33.103	5.75	0.37	0.	0.00	0.0	393.2								
50	16.42		5.94	0.44	1.	0.00	0.0									
79	13.41		6.21	0.31	1.	0.00	0.0									
108	12.28		6.04	0.37	2.	0.01	0.1									
152	10.51		5.20	0.94	8.	0.00	8.5									
201	8.90		4.02	1.67	22.	0.00	22.0									
250	8.03		3.34													
304	7.28		2.35													
403	6.21	34.115						121.0								
507	5.59	34.222	0.64					105.7								

RV DAVID STARR JORDAN										CALCOFI CRUISE 6910						90100
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
31 05.0N		122 39.0W		10/27/69		0430		GMT	4117M	340	4KT		49			
Z	T	S	U2	P04	SIC3	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
0	18.10	33.27											23.946	397.2	0.000	
10	18.04	33.28											23.969	395.1	0.040	
20	18.04	33.28											23.969	395.1	0.079	
30	18.05	33.28											23.971	394.8	0.119	
50	18.01	33.28											23.976	394.4	0.198	
75	15.60	33.55											24.744	321.1	0.288	
100	14.14	33.61											25.105	286.7	0.364	
125	13.55	33.68											25.281	270.0	0.435	
150	11.04	33.58											25.685	231.6	0.498	
200	9.17	33.83											26.197	183.0	0.604	
250	8.17	34.02											26.501	154.1	0.690	
300	7.41	34.08											26.659	139.1	0.766	
400	6.49	34.21											26.887	117.4	0.899	
500	5.85	34.31											27.049	102.1	1.015	
600	5.54	34.36											27.150	92.5	1.119	

RV DAVID STARR JORDAN										CALCOFI CRUISE 6910						90100
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
31 05.0N		122 39.0W		10/27/69		0420		GMT	4117M	340	4KT		49			
Z	T	S	U2	P04	SIC3	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
1	18.08	33.269	5.51	0.34	1.	0.04	0.2	396.8								
10	18.06	33.265	5.54	0.34	1.	0.05	0.2	396.6								
30	17.97		5.64	0.34	1.	0.05	0.2									
49	17.97	33.264	5.55	0.34	1.	0.05	0.2	394.6								
79	15.32		6.02	0.22	2.	0.06	0.2									
109	13.88		5.91	0.25	2.	0.05	0.2									
152	11.05		5.25	0.78	7.	0.06	6.8									
200	9.15		4.35	1.56	21.	0.07	19.3									
250	8.19		3.17													
303	7.34		2.32													
403	6.44	34.133						122.5								
507	5.88	34.229	0.73					108.5								

RV DAVID STARR JORDAN										CALCOFI CRUISE 6910						90120
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
30 25.0N		124 00.0W		10/27/69		1656		GMT	4309M	350	8KT	1	350 2 3			
Z	T	S	U2	P04	SIC3	N02	N03	DT	Z	T	S	02	SIGT	DT	DD	
0	18.51	33.39											23.937	398.1	0.000	
10	18.51	33.44											23.975	394.5	0.040	
20	18.51	33.46											23.990	393.0	0.079	
30	18.55	33.49											24.003	391.8	0.118	
50	18.55	33.49											24.008	391.3	0.197	
75	15.92	33.28											24.399	335.0	0.288	
100	14.25	33.42											24.936	302.8	0.369	
125	12.66	33.43											25.266	271.5	0.441	
150	10.98	33.46											25.602	239.5	0.506	
200	9.35	33.73											26.090	193.1	0.616	
250	8.54	33.95											26.590	164.6	0.707	
300	7.75	34.08											26.610	143.7	0.787	
400	6.84	34.16											26.801	125.6	0.927	
500	5.87	34.23											26.983	108.3	1.050	
600	5.19	34.33											27.145	93.0	1.157	

RV DAVID STARR JORDAN										CALCOFI CRUISE 6910					90120
LATITUDE	LONGITUDE	MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
30 25.0N	124 00.0W	10/27/69		1757		GMT	4309M	350	8KT	1	350 2 3				
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S16T	DT	DD
0	18.55	33.432	5.53	0.44	1.	0.08	0.1	396.0							
10	18.54	33.436	5.59	0.34	1.	0.06	0.2	395.5							
41	18.57		5.63	0.31	1.	0.07	0.1								
60	19.30	33.496	5.56	0.34	1.	0.06	0.0	385.4							
80	15.19		6.12	0.34	1.	0.07	0.1								
110	13.87		5.95	0.37	2.	0.09	0.1								
154	10.68		5.14	0.94	8.	0.09	9.1								
204	9.18		4.39	1.59	20.	0.08	18.9								
253	8.43		3.59												
307	7.69		2.71												
405	6.85	34.115	1.45					129.1							
509	5.85	34.197	0.69					110.6							

RV DAVID STARR JORDAN										CALCOFI CRUISE 6910					90140
LATITUDE	LONGITUDE	MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
29 45.0N	125 19.5W	10/28/69		0113		GMT	4309M	350	10KT	1	320 4 7				
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S16T	DT	DD
0	18.72	33.33											23.839	407.4	0.000
10	18.64	33.32											23.851	406.3	0.041
20	18.94	33.32											23.925	399.2	0.081
30	18.91	33.32											23.935	398.5	0.121
50	18.15	33.32											23.972	394.7	0.201
75	15.44	33.48											24.726	322.9	0.291
100	14.08	33.44											24.967	298.0	0.369
125	12.48	33.47											25.332	265.2	0.440
150	10.73	33.56											25.724	227.9	0.502
200	8.90	33.87											26.271	175.9	0.605
250	8.14	34.02											26.505	153.7	0.690
300	7.43	34.11											26.680	137.1	0.765
400	6.92	34.24											26.853	120.7	0.899
500	6.28	34.32											27.002	106.6	1.019
600	5.67	34.38											27.126	94.8	1.127

RV DAVID STARR JORDAN										CALCOFI CRUISE 6910					90140
LATITUDE	LONGITUDE	MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
29 45.0N	125 19.5W	10/28/69		0206		GMT	4309M	350	10KT	1	320 4 7				
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S16T	DT	DD
1	18.69	33.349	5.55	0.41	1.	0.09	0.0	405.3							
11	18.65	33.346	5.52	0.34	2.	0.08	0.0	404.6							
30	18.34	33.331	5.59	0.37	1.	0.07	0.0	398.4							
55	13.21		5.55	0.34	1.	0.07	0.0								
90	15.08		6.11	0.28	2.	0.08	0.0								
120	13.33		5.79	0.41	3.	0.09	0.4								
165	10.26		5.07	1.12	11.	0.07	10.7								
219	8.71		3.48	2.18	31.	0.05	25.1								
273	8.01		2.75												
326	7.37		1.85												
435	6.72	34.237	0.74					118.3							
544	6.03	34.291	0.48					105.7							

RV DAVID STARR JORDAN										CALCOFI CRUISE 6910					93097
LATITUDE	LONGITUDE	MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
32 56.0N	117 19.0W	10/30/69		1454		GMT	88M	060	2KT	0	300 1 7				
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S16T	DT	DD
0	16.38	33.399	5.85		1.	0.11	0.0	348.9	0	16.38	33.399	5.85	24.452	348.9	0.000
10	14.98	33.316	5.88		2.	0.11	0.2	325.3	10	14.98	33.316	5.88	24.701	325.3	0.034
20	13.94	33.284	6.05		3.	0.13	0.4	306.7	20	13.94	33.284	6.05	24.896	306.7	0.065
30	13.73	33.311	5.85		4.	0.13	0.3	300.6	30	13.73	33.311	5.85	24.960	300.6	0.096
49	12.37	33.426	4.45		8.	0.07	7.1	266.4	50	12.37	33.427	4.44	25.323	266.0	0.153

RV DAVID STARR JORDAN										CALCOFI CRUISE 6910					93028
LATITUDE	LONGITUDE	MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
32 54.5N	117 21.5W	10/30/69		1332		GMT	445M	350	4KT	4	320 1 7				
Z	T	S	02	P04	S103	N02	N03	DT	Z	T	S	02	S16T	DT	DD
0	17.18	33.40											24.267	366.6	0.000
10	17.17	33.40											24.269	366.4	0.037
20	14.20	33.22											24.793	316.5	0.071
30	13.20	33.31											25.067	290.4	0.101
50	11.71	33.39											25.415	257.3	0.156
75	11.27	33.66											25.705	229.7	0.217
100	10.84	33.70											25.814	219.4	0.274
125	10.31	33.81											25.992	202.4	0.327
150	9.74	33.87											26.135	188.8	0.377
200	9.40	34.09											26.363	167.2	0.468
250	8.89	34.19											26.523	152.0	0.550
300	8.18	34.23											26.664	138.6	0.625
400	7.92	34.28											26.829	123.0	0.762

RV DAVID STARR JORDAN CALCOFI CRUISE 6910 9*028

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER				TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
32 54.5N		117 21.5W		10/30/69	N01	N02	N03	N04	1351 GMT	445M	350	4KNT	4	320	1	7
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD	
0	17.13	33.414	5.80		5.	0.09	0.5	364.5								
10	17.11	33.415	5.73	0.37	1.	0.09	0.0	364.0								
30	13.37	33.308	5.76		4.	0.35	1.0	293.8								
49	12.17		5.38		6.	0.19	5.0									
79	11.26		3.75	1.68	16.	0.10	15.4									
108	10.82		3.22	2.03	20.	0.16	19.4									
151	10.12		2.77													
201	9.35		2.29	2.59	34.	0.14	29.4									
250	8.86	34.148	1.92					154.7								
304	8.12	34.196	1.45					140.3								

RV DAVID STARR JORDAN CALCOFI CRUISE 6910 9*030

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER				TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
32 50.5N		117 31.0W		10/30/69	N01	N02	N03	N04	1126 GMT	833M	020	4KNT	4			
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD	
0	17.03	33.41											24.310	362.5	0.000	
10	16.90	33.43											24.344	359.3	0.036	
20	16.17	33.26											24.394	354.5	0.072	
30	15.64	33.19											24.459	348.3	0.107	
50	13.34	33.28											25.015	295.3	0.172	
75	11.79	33.46											25.455	253.5	0.241	
100	10.64	33.56											25.740	226.4	0.301	
125	9.90	33.72											25.983	203.3	0.355	
150	9.50	33.89											26.182	184.4	0.405	
200	8.90	34.05											26.412	162.5	0.493	
250	8.46	34.12											26.535	150.8	0.573	
300	8.00	34.18											26.644	140.5	0.649	
400	7.28	34.26											26.819	123.9	0.787	
500	6.20	34.33											27.013	105.5	0.908	
600	5.84	34.38											27.105	96.8	1.016	

RV DAVID STARR JORDAN CALCOFI CRUISE 6910 9*030

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER				TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
32 50.5N		117 31.0W		10/30/69	N01	N02	N03	N04	1201 GMT	833M	020	4KNT	4			
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD	
0	17.06	33.45	5.67	0.34	2.	0.13	0.4	360.3								
10	16.95	33.45	5.74	0.34	2.	0.09	0.3	357.8								
30	15.65		6.01	0.37	2.	0.12	0.2									
49	13.35	33.31	5.68	0.62	4.	0.19	2.0	293.3								
79	11.69		4.84	1.15	10.	0.22	8.9									
108	10.47		3.91	1.75	18.	0.14	17.7									
152	9.50		3.07	2.25	27.	0.10	25.2									
201	8.86		2.59	2.31	34.	0.10	27.2									
251	8.38		2.18													
305	7.96		1.61													
404	7.19	34.25	0.82					123.5								
508	6.21	34.31	0.40					106.5								

RV DAVID STARR JORDAN CALCOFI CRUISE 6910 9*035

LATITUDE		LONGITUDE		MO/DAY/YR	MESSENGER				TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES		
32 40.5N		117 51.5W		10/30/69	N01	N02	N03	N04	0817 GMT	667M		4KNT	4			
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD	
0	17.11	33.47											24.337	360.0	0.000	
10	17.07	33.46											24.338	359.8	0.036	
20	16.73	33.39											24.365	357.3	0.072	
30	15.20	33.32											24.656	329.5	0.106	
50	13.43	33.29											25.005	296.3	0.169	
75	11.56	33.36											25.420	256.8	0.239	
100	10.43	33.53											25.753	225.1	0.299	
125	9.71	33.82											26.101	192.1	0.352	
150	9.72	34.02											26.255	177.4	0.399	
200	8.70	34.06											26.451	158.8	0.485	
250	8.17	34.14											26.595	145.2	0.563	
300	7.88	34.22											26.701	135.1	0.635	
400	7.04	34.27											26.860	120.0	0.768	
500	6.49	34.32											26.974	109.2	0.890	
600	5.89	34.38											27.099	97.4	1.000	

RV DAVID STARR JORDAN										CALCOFI CRUISE 6910						93035	
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
32 40.5N		117 51.5W		10/30/69		0901 GMT		667M		020		4KT		4			
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD		
1	17.05	33.48	5.57			1.	0.08	0.0	357.9								
10	17.05	33.48	5.62			1.	0.06	0.0	357.9								
30	15.36		5.81			2.	0.12	0.0									
49	14.14	33.35	5.67			3.	0.08	1.0	305.8								
78	11.48		5.06			9.	0.09	6.9									
109	10.18		4.08			17.	0.10	15.5									
152	9.63		2.80			29.	0.14	24.5									
201	8.83		2.62			35.	0.18	27.5									
250	8.21		2.15														
305	7.77		1.46														
404	7.06		0.80														
508	6.44	34.29	0.48						110.8								

RV DAVID STARR JORDAN										CALCOFI CRUISE 6910						93040	
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
32 30.0N		118 11.5W		10/30/69		0523 GMT		1849M		310		6KT		0		310 2 6	
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD		
									0	17.07	33.47		24.346	359.0	0.000		
									10	17.01	33.48		24.368	357.0	0.036		
									20	15.85	33.37		24.550	339.6	0.071		
									30	14.33	33.26		24.796	316.2	0.104		
									50	12.05	33.34		25.313	267.0	0.162		
									75	11.11	33.52		25.626	237.3	0.225		
									100	10.71	33.74		25.868	214.2	0.282		
									125	10.44	33.88		26.024	199.4	0.335		
									150	10.26	34.05		26.167	183.9	0.383		
									200	9.73	34.14		26.347	168.7	0.473		
									250	9.14	34.22		26.498	154.3	0.556		
									300	8.83	34.29		26.610	143.7	0.633		
									400	7.66	34.29		26.788	126.9	0.775		
									500	6.44	34.30		26.958	110.7	0.901		
									600	5.79	34.38		27.111	96.2	1.012		

RV DAVID STARR JORDAN										CALCOFI CRUISE 6910						93040	
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
32 30.0N		118 11.5W		10/30/69		0553 GMT		1849M		310		6KT		0		310 2 6	
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD		
0	17.08	33.47	5.40	0.34	1.	0.02	1.1	359.3									
11	17.02	33.48	5.70	0.28	1.	0.01	1.0	357.2									
30	15.63	33.40	5.93	0.41	2.	0.01	1.0	332.7									
50	12.50		5.48	0.37	6.	0.03	4.4										
79	11.00		4.27	1.44	14.	0.00	13.0										
107	10.61			2.46	18.	0.00	21.6										
150	10.25			2.68	32.	0.08	25.7										
202	9.79		2.09	2.62	34.	0.11	25.7										
247	9.20		1.79														
302	8.90		1.20														
401	7.66	34.26	0.92						129.1								
504	6.53	34.28	0.50						112.7								

RV DAVID STARR JORDAN										CALCOFI CRUISE 6910						93050	
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		BOTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
32 10.0N		118 52.5W		10/30/69		0035 GMT		1387M		0KT		0		0		310 5 8	
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD		
									0	17.57	33.49		24.242	368.9	0.000		
									10	17.35	33.49		24.300	363.5	0.037		
									20	17.28	33.49		24.312	362.3	0.073		
									30	16.41	33.24		24.324	361.2	0.109		
									50	13.24	33.21		24.981	298.5	0.175		
									75	11.44	33.32		25.411	257.7	0.245		
									100	10.59	33.54		25.733	227.0	0.306		
									125	9.87	33.68		25.965	205.0	0.361		
									150	9.35	33.82		26.160	186.4	0.411		
									200	9.24	34.08		26.381	165.5	0.500		
									250	8.09	34.13		26.599	144.8	0.580		
									300	8.21	34.27		26.691	136.1	0.653		
									400	7.01	34.24		26.841	121.8	0.787		
									500	6.23	34.29		26.984	108.2	0.909		
									600	5.64	34.37		27.122	95.2	1.018		

RV DAVID STARH JORDAN				CALCOFI CRUISE 6910				930AC							
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	POTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
21 50.0N	119 34.0W	10/29/69	1905	GMT	2416M	08U	5KT	2	320	4	8				
Z	T	S	U2	P04	S103	NO2	NO3	DT	Z	T	S	O2	S10T	DT	DD
									0	17.41	33.43		24.235	369.6	0.000
									10	17.39	33.46		24.247	368.5	0.037
									20	17.38	33.44		24.250	368.2	0.074
									30	17.15	33.38		24.258	367.4	0.111
									50	13.24	33.17		24.951	301.5	0.178
									75	11.11	33.39		25.925	246.6	0.247
									100	10.25	33.56		25.923	218.5	0.305
									125	9.59	33.82		26.121	190.2	0.357
									150	8.97	33.87		26.260	177.0	0.464
									200	8.51	34.04		26.465	157.5	0.489
									250	8.14	34.15		26.601	144.6	0.566
									300	7.50	34.22		26.756	129.9	0.637
									400	6.78	34.29		26.912	115.1	0.765
									500	6.18	34.35		27.038	103.1	0.881
									600	5.55	34.38		27.141	93.4	0.986

RV DAVID STARH JORDAN				CALCOFI CRUISE 6910				9407C							
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	POTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
21 30.0N	120 14.0W	10/29/69	1438	GMT	1926M	34U	16KT	0	300	1	6				
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	S10T	DT	DD
									0	17.24	33.45		24.291	364.3	0.000
									10	17.24	33.45		24.291	364.3	0.036
									20	17.24	33.45		24.291	364.3	0.073
									30	17.24	33.45		24.291	364.3	0.109
									50	15.62	33.16		24.441	350.1	0.181
									75	11.75	33.29		25.334	265.0	0.258
									100	10.45	33.55		25.765	224.0	0.320
									125	9.72	33.75		26.045	197.4	0.373
									150	9.24	33.92		26.256	177.3	0.421
									200	8.52	34.06		26.479	156.2	0.506
									250	7.95	34.15		26.636	141.3	0.582
									300	7.45	34.19		26.740	131.4	0.653
									400	6.65	34.25		26.898	116.4	0.782
									500	5.96	34.34		27.056	101.2	0.897
									600	5.41	34.41		27.181	89.5	0.999

RV DAVID STARH JORDAN				CALCOFI CRUISE 6910				940AD							
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	POTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
21 10.0N	120 54.0W	10/29/69	0956	GMT	4022M	31U	20KT	0							
Z	T	S	U2	P04	S103	NO2	NO3	DT	Z	T	S	O2	S10T	DT	DD
									0	17.55	33.42		24.199	373.1	0.000
									10	17.55	33.42		24.199	373.1	0.037
									20	17.55	33.42		24.199	373.1	0.075
									30	16.62	33.39		24.390	354.9	0.111
									50	13.59	33.25		24.926	303.8	0.177
									75	11.45	33.31		25.401	258.6	0.248
									100	10.90	33.55		25.776	223.0	0.309
									125	9.99	33.75		26.099	192.2	0.361
									150	9.22	33.94		26.275	175.6	0.408
									200	8.27	34.07		26.525	151.8	0.491
									250	7.60	34.11		26.626	142.2	0.567
									300	7.55	34.17		26.738	131.6	0.637
									400	6.68	34.30		26.933	113.1	0.765
									500	6.01	34.34		27.052	101.8	0.879
									600	5.42	34.40		27.172	90.4	0.982

RV DAVID STARH JORDAN				CALCOFI CRUISE 6910				9409D							
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	POTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
20 50.0N	121 34.0W	10/29/69	0448	GMT	4117M	31U	12KT								
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	S10T	DT	DD
									0	16.88	33.30		24.261	367.2	0.000
									10	16.88	33.30		24.261	367.2	0.037
									20	16.82	33.28		24.259	367.3	0.074
									30	15.98	33.20		24.391	354.8	0.110
									50	12.59	33.06		25.032	293.7	0.175
									75	11.47	33.31		25.398	258.9	0.244
									100	10.40	33.42		25.673	232.8	0.306
									125	9.56	33.60		25.954	206.0	0.362
									150	8.95	33.83		26.227	180.1	0.410
									200	8.26	33.98		26.456	158.3	0.497
									250	7.70	34.06		26.602	144.5	0.574
									300	7.14	34.09		26.705	134.7	0.646
									400	6.25	34.20		26.911	115.2	0.776
									500	5.90	34.31		27.042	102.7	0.891
									600	5.42	34.41		27.180	89.6	0.994

RV DAVID STARR JORDAN						CALCOFI CRUISE 6910						93100			
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME		POT TOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
30 30.0N	122 14.0W	10/28/69	2336	GMT	4309M	340	20KT	0	310	8	7				
Z	T	S	02	P04	S103	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD
									0	17.37	33.16		24.038	388.4	0.000
									10	17.35	33.16		24.043	388.0	0.039
									20	17.35	33.16		24.043	388.0	0.078
									30	17.35	33.16		24.048	387.5	0.117
									50	16.04	33.05		24.262	367.1	0.192
									75	14.62	33.58		24.981	298.6	0.276
									100	13.68	33.57		25.170	280.6	0.349
									125	11.01	33.51		25.436	236.3	0.414
									150	9.87	33.65		25.942	207.2	0.470
									200	8.75	33.99		26.388	164.8	0.565
									250	8.13	34.13		26.593	145.3	0.644
									300	7.74	34.20		26.706	134.6	0.717
									400	6.79	34.29		26.910	115.2	0.847
									500	6.13	34.35		27.045	102.5	0.963
									600	5.65	34.41		27.152	92.3	1.067

RV DAVID STARR JORDAN						CALCOFI CRUISE 6910						93120			
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME		POT TOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
29 49.0N	123 35.0W	10/28/69	1416	GMT	4309M	350	16KT	2	350	5	4				
Z	T	S	02	P04	S103	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD
									0	18.25	33.32		23.948	397.1	0.000
									10	18.25	33.32		23.948	397.1	0.040
									20	18.25	33.32		23.948	397.1	0.079
									30	18.25	33.32		23.948	397.1	0.119
									50	17.94	33.33		24.031	389.1	0.198
									75	14.75	33.34		24.769	318.8	0.287
									100	13.26	33.27		25.024	294.5	0.364
									125	11.54	33.35		25.416	257.2	0.434
									150	10.45	33.58		25.789	221.7	0.495
									200	9.28	33.92		26.249	178.0	0.596
									250	8.54	34.06		26.476	156.5	0.682
									300	7.89	34.13		26.629	142.0	0.759
									400	6.72	34.21		26.857	120.3	0.896
									500	5.95	34.30		27.028	104.1	1.014
									600	5.49	34.38		27.148	92.7	1.119

RV DAVID STARR JORDAN						CALCOFI CRUISE 6910						93140			
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME		POT TOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
29 09.0N	124 53.0W	10/28/69	0635	GMT	4117M	010	6KT								
Z	T	S	02	P04	S103	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD
									0	19.02	33.51		23.900	401.5	0.000
									10	19.02	33.51		23.900	401.5	0.040
									20	19.00	33.54		23.928	398.9	0.080
									30	18.96	33.55		23.946	397.2	0.120
									50	18.92	33.57		23.971	394.8	0.200
									75	15.10	33.32		24.678	327.5	0.290
									100	12.58	33.34		25.212	276.6	0.366
									125	11.05	33.47		25.598	239.9	0.432
									150	10.25	33.65		25.881	213.0	0.489
									200	8.98	33.93		26.305	172.7	0.587
									250	8.00	34.04		26.542	150.2	0.670
									300	7.37	34.07		26.657	139.3	0.744
									400	5.99	34.14		26.897	116.5	0.877
									500	5.33	34.22		27.041	102.8	0.993
									600	4.95	34.34		27.180	89.6	1.095

RV ALEXANDER AGASSIZ						CALCOFI CRUISE 6910						94012			
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME		POT TOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
32 40.0N	117 35.0W	10/20/69	2252	GMT	1129M	260	7KT	0							
Z	T	S	02	P04	S103	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD
									0A	18.39	33.43		23.997	392.3	0.000
									10	17.63	33.37		24.136	379.0	0.039
									20	17.46	33.37		24.177	375.2	0.076
									30	16.59	33.39		24.397	354.2	0.113
									50	13.40	33.29		25.011	295.7	0.178
									75	11.81	33.33		25.350	263.4	0.248
									100	10.82	33.43		25.608	239.0	0.312
									125	9.89	33.69		25.970	204.5	0.368
									150	9.45	33.74		26.081	193.9	0.418
									200	8.82	33.96		26.354	168.0	0.510
									250	8.18	34.04		26.515	152.7	0.593
									300	7.64	34.11		26.650	140.0	0.668
									400	7.05	34.24		26.835	122.4	0.805
									500	6.39	34.28		26.956	110.9	0.928

A) A SHAKEDOWN STATION.

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910						97032
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME		ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
32 12.0N	117 15.5W	10/21/69	0428	GMT	1479M	220	9KT	0								
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
									0	18.83	33.53		23.963	395.5	0.000	
									10	18.67	33.82		23.996	392.4	0.039	
									20	18.13	35.49		24.107	381.9	0.078	
									30	14.92	33.32		24.717	323.7	0.114	
									50	13.48	33.31		25.010	295.8	0.176	
									75	11.76	33.33		25.360	262.6	0.246	
									100	10.71	33.51		25.689	231.2	0.308	
									125	10.83	33.72		25.918	209.4	0.364	
									150	9.86	33.83		26.084	193.7	0.415	
									200	9.58	34.09		26.333	170.0	0.508	
									250	8.96	34.20		26.519	152.3	0.590	
									300	8.54	34.27		26.640	140.9	0.666	
									400	7.27	34.24		26.804	125.3	0.805	
									500	6.42	34.26		26.936	112.8	0.931	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910						97032		
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME		ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES									
32 12.0N	117 15.5W	10/21/69	0516	GMT	1479M	220	9KT	0										
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD			
									0	18.82	33.53		5.48	0.24	1.0	0.00	0.0	395.3
									10	18.68	33.53		5.30	0.31	1.0	0.00	0.0	391.9
									30	14.45			0.47	2.0	0.15	0.4		
									50	13.25			5.58	0.58	4.0	0.04	1.9	
									80	11.47			5.10	1.11	10.0	0.00	9.5	
									110	10.54	33.62		3.99	1.64	19.0	0.00	16.4	220.3
									154	9.84			3.47	2.02	27.0	0.11	21.4	
									203	9.54			2.31	2.33	35.0	0.00	24.1	
									254	9.05			1.62					
									308	8.44	34.28		1.11					138.7
									408	7.23	34.26		0.92					123.3
									511	6.36			0.63					

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910						97035
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME		ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
32 05.5N	117 27.5W	10/21/69	0726	GMT	1322M	100	8KT	0								
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
									0	18.32	33.49		24.060	386.3	0.000	
									10	18.30	33.49		24.065	385.9	0.039	
									20	17.89	33.44		24.127	379.9	0.077	
									30	15.98	33.20		24.391	354.8	0.114	
									50	13.18	33.24		25.017	295.2	0.179	
									75	11.79	33.36		25.377	260.9	0.249	
									100	11.19	33.50		25.596	240.1	0.312	
									125	10.28	33.68		25.896	211.6	0.369	
									150	10.19	33.87		26.059	196.1	0.421	
									200	9.35	34.10		26.379	165.7	0.513	
									250	8.83	34.22		26.556	148.9	0.594	
									300	8.16	34.21		26.651	139.8	0.668	
									400	7.15	34.24		26.821	123.7	0.806	
									500	6.40	34.26		26.939	112.5	0.931	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910						97035		
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME		ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES									
32 05.5N	117 27.5W	10/21/69	0818	GMT	1322M	100	8KT	0										
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD			
									5	18.29	33.50		5.71	0.20	2.0	0.00	0.0	384.9
									12	18.29	33.49		6.02	0.20	2.0	0.00	0.0	385.6
									32	15.69			6.14	0.33	3.0	0.00	0.0	
									52	13.19			5.86	0.51	4.0	0.09	0.7	
									82	11.44			5.10	0.87	8.0	0.00	8.5	
									111	10.43	33.67		3.76	1.58	22.0	0.03	18.0	214.8
									155	10.17			2.70	2.06	31.0	0.01	22.6	
									204	9.29			2.02	2.42	41.0	0.06	26.1	
									252	8.84			1.60					
									306	8.21	34.23		1.45					139.0
									409	7.11	34.26		0.68					121.7
									516	6.30			0.40					

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910							97040
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES								
31 56.0N	117 48.0W	10/21/69	1120	GMT	1313M	300	14KT	0									
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD		
									0	18.21	33.54		24.125	380.1	0.000		
									10	18.21	33.54		24.125	380.1	0.038		
									20	17.61	33.51		24.248	368.4	0.076		
									30	15.69	33.36		24.578	336.9	0.111		
									50	12.85	33.34		25.260	272.0	0.172		
									75	11.37	33.54		25.594	240.2	0.236		
									100	10.51	33.63		25.817	219.0	0.294		
									125	10.34	33.81		25.987	202.9	0.348		
									150	10.35	33.96		26.105	191.7	0.398		
									200	9.40	34.08		26.355	168.0	0.469		
									250	9.07	34.20		26.502	154.0	0.572		
									300	8.58	34.26		26.626	142.2	0.649		
									400	7.02	34.21		26.816	124.2	0.788		
									500	6.39	34.27		26.948	111.7	0.912		

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910							97040
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES								
31 56.0N		10/21/69	1232	GMT	1313M	300	14KT	0									
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD		
2	18.28	33.54	5.52	0.16	1.	0.03	0.0	381.8									
12	18.15	33.54	5.57	0.13	2.	0.00	0.0	376.7									
32	13.00		5.81	0.31	4.	0.01	1.0										
51	12.09		4.57	0.73	11.	0.04	7.9										
81	11.59		3.27	1.60	20.	0.00	16.6										
111	10.45	33.67	3.64	1.20	21.	0.01	15.7	215.1									
155	10.31		2.43	1.73	52.	0.00	21.9										
204	9.50		2.20	1.80	38.	0.04	24.8										
253	9.08		1.79														
307	8.44	34.27	1.16					139.4									
407	7.02	34.23	0.85					122.7									
512	6.32		0.47														

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910							97040
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES								
31 34.5N	118 30.5W	10/21/69	1807	GMT	2453M	300	13KT	1					320	8	5		
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD		
									0	18.20	33.44		24.051	387.2	0.000		
									10	18.17	33.45		24.066	385.7	0.039		
									20	18.18	33.45		24.064	386.0	0.077		
									30	18.16	33.45		24.069	385.5	0.116		
									50	14.46	33.23		24.746	321.0	0.187		
									75	12.86	33.18		25.034	293.6	0.264		
									100	11.06	33.40		25.342	245.2	0.332		
									125	10.22	33.57		25.820	218.7	0.390		
									150	9.60	33.71		26.034	198.5	0.443		
									200	8.85	33.91		26.310	172.2	0.538		
									250	8.22	34.04		26.509	153.3	0.621		
									300	7.85	34.10		26.611	143.6	0.698		
									400	6.58	34.15		26.828	123.0	0.836		
									500	6.05	34.20		26.937	112.7	0.960		

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910							97040
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES								
31 15.5N	119 10.0W	10/21/69	2346	GMT	3832M	290	22KT	1					290	6	5		
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD		
									0	17.72	33.30		24.061	386.2	0.000		
									10	17.72	33.31		24.069	385.5	0.039		
									20	17.69	33.31		24.076	384.8	0.077		
									30	17.61	33.32		24.103	382.2	0.116		
									50	14.46	33.18		24.707	324.6	0.187		
									75	12.91	33.23		25.062	290.8	0.264		
									100	11.32	33.30		25.417	257.1	0.333		
									125	10.41	33.44		25.687	231.4	0.395		
									150	9.43	33.70		26.054	196.6	0.449		
									200	8.71	33.97		26.379	165.7	0.541		
									250	8.14	34.07		26.545	149.9	0.622		
									300	7.62	34.13		26.668	138.2	0.696		
									400	6.51	34.14		26.830	122.9	0.832		
									500	5.95	34.22		26.965	110.0	0.955		

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					97070		
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME			DEPTH	WIND	SPEED	WEATHER	DOMINANT WAVES							
30 56.0N	119 51.0W	10/22/69	0515	GMT		3642M	310	15KT	1	290 5 4							
Z	T	S	02	P04	S103	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD		
									0	18.25	33.38		23.993	392.7	0.000		
									10	18.27	33.39		23.996	392.4	0.039		
									20	18.26	33.39		23.999	392.2	0.079		
									30	18.27	33.39		23.996	392.4	0.118		
									50	17.10	33.27		24.186	374.3	0.195		
									75	14.24	33.22		24.787	317.1	0.282		
									100	12.46	33.22		25.142	283.3	0.357		
									125	11.09	33.30		25.459	253.1	0.425		
									150	9.92	33.53		25.840	216.9	0.484		
									200	8.89	33.93		26.320	171.3	0.583		
									250	8.42	34.06		26.494	154.7	0.667		
									300	7.76	34.08		26.609	143.9	0.744		
									400	6.82	34.19		26.828	123.1	0.883		
									500	5.80	34.22		26.984	108.3	1.005		

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					97080		
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME			DEPTH	WIND	SPEED	WEATHER	DOMINANT WAVES							
30 34.5N	120 32.0W	10/22/69	1001	GMT		3983M	300	9KT	0	290 6 5							
Z	T	S	02	P04	S103	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD		
									0	17.15	33.20		24.121	380.5	0.000		
									10	17.15	33.20		24.121	380.5	0.038		
									20	17.08	33.21		24.145	378.2	0.076		
									30	16.25	33.28		24.391	354.8	0.113		
									50	13.86	33.23		24.871	309.1	0.179		
									75	11.98	33.20		25.218	276.0	0.253		
									100	10.56	33.40		25.630	236.9	0.317		
									125	9.48	33.64		25.999	201.8	0.373		
									150	9.23	33.81		26.172	185.3	0.422		
									200	8.69	34.00		26.406	163.1	0.511		
									250	7.82	34.04		26.569	147.7	0.590		
									300	7.29	34.11		26.700	135.2	0.663		
									400	6.80	34.22		26.854	120.6	0.797		
									500	5.70	34.21		26.988	107.8	0.917		

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					97090		
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME			DEPTH	WIND	SPEED	WEATHER	DOMINANT WAVES							
30 15.5N	121 10.5W	10/22/69	1502	GMT		4060M	300	10KT	1	290 6 5							
Z	T	S	02	P04	S103	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD		
									0	18.25	33.68		24.222	370.9	0.000		
									10	18.26	33.68		24.220	371.1	0.037		
									20	18.25	33.68		24.222	370.9	0.074		
									30	18.25	33.68		24.222	370.9	0.111		
									50	15.31	33.63		24.870	309.2	0.180		
									75	11.01	33.52		25.644	235.5	0.248		
									100	9.87	33.71		25.989	202.7	0.303		
									125	9.34	33.84		26.177	184.8	0.352		
									150	8.98	33.95		26.321	171.2	0.398		
									200	8.19	34.06		26.529	151.4	0.480		
									250	7.64	34.08		26.626	142.2	0.555		
									300	6.97	34.11		26.744	131.0	0.626		
									400	6.18	34.19		26.912	115.1	0.754		
									500	5.67	34.26		27.031	103.7	0.869		

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					100030		
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME			DEPTH	WIND	SPEED	WEATHER	DOMINANT WAVES							
31 40.5N	116 47.0W	10/24/69	1148	GMT		453M	330	6KT	1								
Z	T	S	02	P04	S103	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD		
									0	16.51	33.41		24.431	351.0	0.000		
									10	16.36	33.41		24.465	347.7	0.035		
									20	13.96	33.27		24.881	308.1	0.068		
									30	12.77	33.29		25.136	283.8	0.097		
									50	11.75	33.42		25.431	255.7	0.152		
									75	11.69	33.62		25.597	239.9	0.214		
									100	11.21	33.69		25.740	226.4	0.273		
									125	10.49	33.78		25.937	207.6	0.328		
									150	10.04	33.94		26.139	188.4	0.378		
									200	9.43	34.10		26.365	166.9	0.468		
									250	9.00	34.17		26.490	155.2	0.551		
									300	8.41	34.21		26.613	143.4	0.628		
									400	7.24	34.25		26.816	124.1	0.768		

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910						100030	
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		ROTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
31 40.5N		116 47.0W		10/24/69		1303 GMT		453M		330		6KT		1			
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD		
0	16.49	33.42	5.94	0.29	3.	0.00	0.0	349.8									
10	16.43	33.41	5.93	0.47	2.	0.00	0.0	349.2									
30	13.18		5.54	0.38	3.	0.04	1.1										
50	11.82		4.77	0.56	8.	0.08	3.3										
80	11.54		3.43	1.22	16.	0.06	11.2										
110	10.62		3.24	1.09U	24.	0.34	10.1U										
155	9.83	34.03	2.44	1.07U	20.	0.05	13.3	178.4									
204	9.39		1.98	1.67	34.	0.04	17.5										
253	8.78		1.49														
307	8.15	34.25	1.11					136.7									
406	7.18	34.27	0.66					121.8									

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910						100035	
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		ROTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
31 30.5N		117 05.0W		10/24/69		0737 GMT		1110M		350		13KT		1			
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD		
0	18.57	33.53											24.028	389.3	0.000		
10	18.58	33.54											24.034	388.8	0.039		
20	18.47	33.53											24.053	387.0	0.078		
30	15.32	33.30											24.614	333.5	0.114		
50	13.22	33.34											25.086	288.6	0.176		
75	11.31	33.38											25.481	251.0	0.244		
100	10.72	33.48											25.664	233.6	0.305		
125	9.89	33.60											25.900	211.2	0.361		
150	9.77	33.94											26.185	184.1	0.411		
200	8.84	33.98											26.367	166.8	0.501		
250	8.65	34.12											26.506	153.6	0.583		
300	7.99	34.16											26.637	141.1	0.659		
400	7.00	34.20											26.811	124.7	0.798		
500	6.47	34.29											26.953	111.2	0.922		

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910						100035	
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		ROTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
31 30.5N		117 05.0W		10/24/69		0813 GMT		1110M		350		13KT		1			
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD		
0	18.59	33.53	5.53	0.22	0.	0.00	0.0	389.8									
10	18.58	33.52	5.62	0.22	0.	0.00	0.0	390.3									
30	15.08		5.79	0.31	2.	0.01	0.0										
50	13.04		5.46	0.51	5.	0.00	0.0										
80	11.21		4.89	0.73	7.	0.01	7.1										
110	10.11		4.23	0.44U	8.	0.06	4.9U										
155	9.78	33.97	2.53	0.84	18.	0.06	11.6	182.1									
204	8.94		2.71	1.24	23.	0.10	14.5										
253	8.64		1.70														
307	7.98	34.17	1.49					140.2									
405	6.96	34.21	0.84					123.4									
510	6.40		0.49														

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910						100040	
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		ROTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
31 21.5N		117 27.0W		10/24/69		0400 GMT		1849M		330		15KT		1			
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD		
0	18.47	33.49											24.023	389.9	0.000		
10	18.47	33.52											24.046	387.7	0.039		
20	18.47	33.52											24.046	387.7	0.078		
30	18.44	33.51											24.046	387.7	0.117		
50	13.50	33.34											25.029	294.0	0.185		
75	11.24	33.42											25.525	246.9	0.253		
100	10.16	33.62											25.870	214.1	0.311		
125	9.61	33.76											26.071	194.9	0.363		
150	9.19	33.87											26.225	180.3	0.410		
200	8.95	34.13											26.466	157.4	0.496		
250	8.28	34.13											26.570	147.5	0.575		
300	7.43	34.11											26.680	137.1	0.648		
400	6.88	34.25											26.867	119.4	0.782		
500	6.29	34.29											26.977	108.9	0.902		

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910						100040
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
31 21.5N		117 27.0W		10/24/69		0451		GMT	1849M	330	15KT	1				
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD	
1	18.49	33.50	5.52	0.31	1.	0.00	0.0	389.6								
11	18.49	33.51	5.55	0.31	1.	0.00	0.0	388.9								
31	17.40		5.65	0.36	2.	0.00	0.0									
49	13.12		5.41	0.56	5.	0.00	2.2									
79	11.00		4.48	1.07	12.	0.06	11.2									
109	9.86	33.68	3.75	1.55	23.	0.10	17.7	204.8								
152	9.17		3.15	1.55	30.	0.06	19.3									
201	8.95		2.08	2.26	43.	0.13	25.5									
251	8.23		1.80													
305	7.47		1.49													
406	6.85	34.25	0.64					119.0								
510	6.25	34.30	0.41					107.7								

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910						100040
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
30 58.0N		118 07.0W		10/23/69		2037		GMT	1922M	330	11KT	1	320 4 6			
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD	
0	18.24	33.54											24.118	380.8	0.000	
10	18.16	33.53											24.130	379.7	0.038	
20	16.09	33.22											24.381	355.7	0.075	
30	13.81	33.33											24.958	300.7	0.108	
50	11.90	33.37											25.365	262.1	0.164	
75	11.28	33.55											25.618	238.0	0.227	
100	10.68	33.66											25.811	219.6	0.285	
125	10.30	33.81											25.994	202.3	0.338	
150	10.20	33.98											26.143	188.1	0.388	
200	9.50	34.13											26.377	165.8	0.478	
250	8.95	34.19											26.516	152.6	0.560	
300	8.58	34.26											26.626	142.2	0.636	
400	7.28	34.25											26.811	124.7	0.775	
500	6.47	34.27											26.937	112.7	0.901	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910						100040
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
30 58.0N		118 07.0W		10/23/69		2118		GMT	1922M	330	11KT	1	320 4 6			
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD	
1	18.28	33.56	5.58	0.33	1.	0.00	0.0	380.3								
11	18.17	33.55	5.66	0.33	1.	0.00	0.0	378.4								
30	13.35		5.87	0.56	4.	0.11	0.6									
49	12.07		4.82	0.93	10.	0.00	8.2									
78	11.26	33.58	3.82	1.38	18.	0.02	15.1	235.4								
108	10.67		3.09	1.71	23.	0.03	19.4									
151	10.10		2.33	2.06	32.	0.05	23.4									
199	9.47		2.02	2.24	39.	0.16	25.7									
247	8.99		1.55													
300	8.23		1.25													
399	7.47	34.29	0.71													
505	6.33	34.29	0.48					109.4								

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910						100040
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
30 39.0N		118 48.0W		10/23/69		1340		GMT	2981M	320	10KT	2	320 3 3			
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD	
0	17.79	33.35											24.083	384.2	0.000	
10	17.79	33.35											24.083	384.2	0.038	
20	17.79	33.35											24.083	384.2	0.077	
30	17.60	33.35											24.080	384.4	0.115	
50	15.41	33.24											24.548	339.8	0.188	
75	13.41	33.22											24.955	301.1	0.269	
100	12.08	33.23											25.222	275.6	0.341	
125	10.45	33.43											25.672	232.8	0.405	
150	9.77	33.62											25.935	207.8	0.461	
200	9.08	33.95											26.305	172.7	0.558	
250	8.38	34.02											26.469	157.1	0.642	
300	7.69	34.09											26.627	142.1	0.720	
400	6.83	34.20											26.834	122.5	0.857	
500	5.87	34.24											26.991	107.6	0.979	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910						100060	
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		ROTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
30 39.0N		118 48.0W		10/23/69		1500 GMT		2981M		320		10KT		2		320 3 3	
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD		
0	17.80	33.36	5.71	0.40	1.	0.00	0.0	383.7									
10	17.78	33.36	5.79	0.40	1.	0.00	0.0	383.2									
41	17.60		5.75	0.38	1.	0.00	0.0										
61	14.11		6.24	0.42	2.	0.00	0.0										
81	13.02		6.02	0.51	3.	0.12	0.0										
110	11.34	33.34	5.46	0.69	7.	0.00	1.4	254.5									
155	9.75		4.23	1.35	20.	0.00	6.8										
204	9.02		3.16	1.84	34.	0.05	11.9										
253	8.22		2.61														
306	7.63	34.09	2.22					141.3									
406	6.62	34.20	1.03					119.8									
510	5.78		0.66														

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910						100070	
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		ROTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
30 20.0N		119 27.5W		10/23/69		0743 GMT		3926M		340		10KT		1			
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD		
0	18.34	33.39											23.979	394.1	0.000		
10	18.34	33.39											23.979	394.1	0.039		
20	18.34	33.39											23.979	394.1	0.079		
30	18.34	33.39											23.979	394.1	0.118		
50	18.15	33.37											24.010	391.1	0.197		
75	15.34	33.40											24.687	326.6	0.287		
100	13.80	33.37											24.991	297.6	0.366		
125	11.98	33.41											25.380	260.6	0.436		
150	10.74	33.56											25.723	228.0	0.498		
200	9.74	33.91											26.166	185.9	0.604		
250	8.94	34.04											26.398	163.9	0.693		
300	8.06	34.09											26.572	147.3	0.773		
400	7.57	34.30											26.809	124.9	0.915		
500	6.75	34.34											26.955	111.0	1.040		

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910						100070	
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		ROTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
30 20.0N		119 27.5W		10/23/69		0825 GMT		3926M		340		10KT		1			
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD		
1	18.30	33.39	5.59	0.38	1.	0.00	0.0	393.1									
11	18.29	33.39	5.69	0.38	1.	0.00	0.0	392.9									
41	18.31		5.68	0.40	1.	0.00	0.0										
60	16.15		6.23	0.38	1.	0.00	0.0										
80	14.99		6.14	0.40	2.	0.00	0.0										
110	12.37	33.43	5.36	1.44U	4.	0.10	9.0U	266.1									
154	10.64		4.50	0.91	11.	0.09	9.4										
204	9.55		3.44	1.71	30.	0.07	21.8										
253	8.74		3.14														
307	7.96	34.14	2.15					142.2									
406	7.50	34.31	0.67					123.2									
511	6.70		0.50														

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910						1000A0	
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME		ROTTOM		WIND		SPEED		WEATHER		DOMINANT WAVES	
30 05.0N		120 04.5W		10/23/69		0217 GMT		3263M		330		7KT		1			
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD		
0	18.86	33.45											23.895	402.1	0.000		
10	18.85	33.47											23.913	400.4	0.040		
20	18.82	33.47											23.920	399.6	0.080		
30	18.80	33.47											23.925	399.2	0.120		
50	16.24	33.36											24.457	348.5	0.195		
75	14.69	33.38											24.812	314.6	0.279		
100	12.70	33.33											25.181	279.6	0.353		
125	11.87	33.47											25.448	254.2	0.421		
150	10.75	33.56											25.721	228.2	0.482		
200	9.28	33.88											26.218	180.9	0.586		
250	8.60	34.01											26.427	161.1	0.674		
300	7.99	34.07											26.567	147.8	0.753		
400	6.82	34.13											26.780	127.6	0.896		
500	5.87	34.18											26.944	112.1	1.022		

RV ALEXANDER AGASSIZ						CALCOFI CRUISE 6910						1000A0			
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
30 05.0N	120 04.5W	10/23/69	0340	GMT	3263M	330	7KT	1	310 6 6						
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	18.82	33.47	5.80	0.24	1.	0.00	0.0	399.6							
10	18.84	33.47	5.47	0.22	1.	0.00	0.0	400.1							
39	18.83		5.64	0.22	1.	0.00	0.0								
57	15.95		6.10	0.22	1.	0.00	0.0								
78	14.73		6.03	0.22	1.	0.00	0.0								
107	12.58		5.64	0.42	3.	0.04	1.7								
150	11.13	33.58	4.85	0.84	10.	0.00	9.7	233.2							
197	9.35		3.96	1.53	25.	0.00	20.1								
245	8.69		3.23												
297	7.94		2.44												
396	6.91	34.12	1.50					129.5							
499	5.90	34.18	0.70					112.4							

RV ALEXANDER AGASSIZ						CALCOFI CRUISE 6910						100090			
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
29 40.0N	120 46.0W	10/22/69	1957	GMT	3908M	320	8KT	1	310 6 6						
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	17.79	33.24	5.63	0.24	1.	0.00	0.0	392.8					23.999	392.2	0.000
10	17.78	33.25	5.60	0.27	1.	0.00	0.0	392.5					24.009	391.2	0.039
20	17.77	33.25	6.04	0.27	0.	0.04	0.0						24.011	391.0	0.078
30	17.75	33.25	6.44	0.22	2.	0.04	0.0						24.016	390.5	0.117
50	16.69	33.28	6.52	0.27	2.	0.00	0.0						24.290	364.4	0.193
75	14.58	33.33	5.72	0.51	5.	0.00	3.1						24.797	316.1	0.279
100	13.07	33.34	4.56	1.31	18.	0.00	16.3	208.5					25.116	285.8	0.355
125	10.92	33.35	3.56	1.80	32.	0.08	23.7						25.528	246.6	0.422
150	9.78	33.56	3.14										25.887	212.4	0.480
200	8.87	33.91	2.29					140.0					26.307	172.5	0.578
250	8.34	34.01	1.04					121.9					26.467	157.3	0.662
300	7.60	34.04	0.55										26.600	144.6	0.740
400	6.55	34.15											26.832	122.6	0.879
500	5.79	34.21											26.977	108.9	1.001

RV ALEXANDER AGASSIZ						CALCOFI CRUISE 6910						100090			
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
29 40.0N	120 46.0W	10/22/69	2047	GMT	3908M	320	8KT	1	310 6 6						
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	17.91	33.27	5.63	0.24	1.	0.00	0.0	392.8							
10	17.90	33.27	5.60	0.27	1.	0.00	0.0	392.5							
40	17.86		6.04	0.27	0.	0.04	0.0								
60	15.17		6.44	0.22	2.	0.04	0.0								
80	13.86		6.52	0.27	2.	0.00	0.0								
110	11.86		5.72	0.51	5.	0.00	3.1								
154	9.72	33.60	4.56	1.31	18.	0.00	16.3	208.5							
204	8.85		3.56	1.80	32.	0.08	23.7								
253	8.24		3.14												
307	7.42	34.07	2.29					140.0							
406	6.61	34.17	1.04					121.9							
510	5.77		0.55												

RV ALEXANDER AGASSIZ						CALCOFI CRUISE 6910						103040			
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
31 06.0N	116 24.5W	10/25/69	1927	GMT	71M	300	10KT	0	300 2 4						
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	15.39	33.23	5.63	0.24	1.	0.00	0.0	392.8					24.545	340.1	0.000
10	15.25	33.28	5.60	0.27	1.	0.00	0.0	392.5					24.614	333.5	0.034
20	13.99	33.06	6.04	0.27	0.	0.04	0.0						24.713	324.1	0.067
30	13.36	33.14	6.44	0.22	2.	0.04	0.0						24.903	306.0	0.098
50	11.88	33.26	6.52	0.27	2.	0.00	0.0						25.283	269.8	0.156

RV ALEXANDER AGASSIZ						CALCOFI CRUISE 6910						103035			
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
30 56.0N	116 45.0W	10/25/69	2205	GMT	1664M	310	18KT	0	310 5 4						
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD
0	18.83	33.49	5.63	0.24	1.	0.00	0.0	392.8					23.933	398.4	0.000
10	18.83	33.49	5.60	0.27	1.	0.00	0.0	392.5					23.933	398.4	0.040
20	18.82	33.50	6.04	0.27	0.	0.04	0.0						23.943	397.5	0.080
30	18.80	33.49	6.44	0.22	2.	0.04	0.0						23.941	397.7	0.120
50	15.62	33.28	6.52	0.27	2.	0.00	0.0						24.533	341.3	0.194
75	13.50	33.29	5.72	0.51	5.	0.00	3.1						24.991	297.7	0.274
100	12.02	33.35	4.56	1.31	18.	0.00	16.3	208.5					25.326	265.7	0.345
125	10.46	33.53	3.56	1.80	32.	0.08	23.7						25.748	225.6	0.407
150	9.77	33.70	3.14										25.998	201.9	0.461
200	8.76	33.94	2.29					140.0					26.348	168.6	0.555
250	8.16	34.03	1.04					121.9					26.510	153.2	0.638
300	7.53	34.05	0.55										26.618	142.9	0.714
400	6.74	34.17	0.55										26.823	123.6	0.853
500	6.14	34.27											26.980	108.6	0.975

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910						103040
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
30 46.0N	117 05.0W	10/26/69	0108	GMT	1763M	310	14KT	1	340	6	6					
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD	
									0	18.67	33.49		23.973	394.6	0.000	
									10	18.64	33.50		23.988	393.2	0.039	
									20	18.63	33.50		23.991	392.9	0.079	
									30	18.52	33.49		24.010	391.1	0.118	
									50	15.15	33.22		24.594	335.4	0.191	
									75	13.55	33.23		24.934	303.0	0.271	
									100	11.47	33.36		25.436	255.3	0.341	
									125	10.44	33.51		25.736	226.8	0.402	
									150	9.92	33.69		25.965	205.0	0.457	
									200	9.01	33.94		26.308	172.4	0.553	
									250	8.22	34.08		26.540	150.3	0.636	
									300	7.66	34.11		26.647	140.2	0.711	
									400	6.66	34.18		26.841	121.8	0.847	
									500	6.26	34.29		26.981	108.6	0.969	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910						103040
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
30 26.0N	117 45.0W	10/26/69	0650	GMT	2791M	320	16KT	1	330	5	4					
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD	
									0	18.35	33.54		24.091	383.4	0.000	
									10	18.35	33.55		24.098	382.7	0.038	
									20	18.34	33.55		24.101	382.4	0.077	
									30	18.34	33.55		24.101	382.4	0.115	
									50	13.15	33.28		25.057	291.3	0.183	
									75	11.49	33.45		25.502	249.0	0.250	
									100	10.82	33.60		25.740	226.4	0.310	
									125	10.14	33.82		26.029	198.9	0.364	
									150	9.45	33.89		26.202	182.5	0.413	
									200	8.69	34.00		26.406	163.1	0.501	
									250	8.38	34.10		26.532	151.2	0.581	
									300	7.57	34.11		26.660	139.0	0.656	
									400	6.43	34.15		26.848	121.1	0.791	
									500	5.75	34.23		26.998	106.9	0.911	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910						103040
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
30 06.5N	118 24.5W	10/26/69	1201	GMT	3329M	330	14KT	1								
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD	
									0	17.80	33.31		24.050	387.3	0.000	
									10	17.80	33.31		24.050	387.3	0.039	
									20	17.80	33.31		24.050	387.3	0.078	
									30	17.74	33.30		24.057	386.7	0.116	
									50	14.90	33.31		24.713	324.1	0.188	
									75	12.70	33.18		25.065	290.6	0.265	
									100	11.17	33.28		25.429	256.0	0.334	
									125	10.40	33.49		25.727	227.6	0.395	
									150	9.74	33.62		25.940	207.3	0.450	
									200	8.84	33.97		26.359	167.6	0.545	
									250	8.11	34.07		26.549	149.5	0.626	
									300	7.60	34.14		26.679	137.2	0.700	
									400	6.68	34.20		26.854	120.6	0.835	
									500	5.97	34.24		26.978	108.8	0.956	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910						103070
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME			BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
29 46.5N	119 05.0W	10/26/69	1700	GMT	3569M	340	15KT	1	360	6	4					
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD	
									0	18.02	33.34		24.019	390.2	0.000	
									10	18.02	33.34		24.019	390.2	0.039	
									20	18.02	33.34		24.019	390.2	0.078	
									30	18.02	33.35		24.027	389.5	0.117	
									50	15.86	33.21		24.425	351.5	0.192	
									75	13.95	33.26		24.876	308.6	0.274	
									100	12.52	33.28		25.177	279.9	0.349	
									125	10.97	33.40		25.558	243.7	0.415	
									150	10.49	33.57		25.774	223.1	0.474	
									200	9.35	33.96		26.269	176.1	0.575	
									250	8.44	34.07		26.499	154.3	0.660	
									300	7.91	34.13		26.626	142.2	0.737	
									400	7.42	34.30		26.830	122.8	0.875	
									500	6.44	34.30		26.965	110.1	0.998	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					1030A0		
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES								
29 25.0N	119 45.0W	10/26/69	2133	GMT	3730M	320	13KT	1	310	2	3						
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	S1GT	DT	DD		
									0	18.35	33.35		23.951	396.8	0.000		
									10	18.31	33.36		23.963	395.5	0.040		
									20	18.24	33.36		23.981	393.9	0.079		
									30	18.21	33.36		23.988	393.2	0.119		
									50	16.40	33.27		24.349	358.0	0.194		
									75	14.62	33.27		24.743	321.3	0.279		
									100	13.05	33.27		25.070	290.2	0.356		
									125	11.87	33.40		25.393	259.4	0.426		
									150	10.56	33.61		25.793	221.3	0.487		
									200	9.75	33.9A		26.222	180.5	0.589		
									250	9.07	34.18		26.486	155.5	0.675		
									300	8.66	34.28		26.629	141.9	0.752		
									400	7.76	34.31		26.789	126.7	0.893		
									500	6.55	34.24		26.932	113.2	1.019		

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					1070A2		
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES								
30 26.0N	116 11.0W	10/28/69	0550	GMT	371M	330	9KT	1									
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	S1GT	DT	DD		
									0	14.96	33.35		24.731	322.4	0.000		
									10	14.96	33.36		24.739	321.6	0.032		
									20	14.31	33.42		24.924	304.0	0.064		
									30	12.66	33.40		25.243	273.7	0.092		
									50	12.23	33.66		25.527	246.7	0.145		
									75	11.99	33.81		25.688	231.3	0.205		
									100	11.18	33.89		25.900	211.1	0.261		
									125	10.57	33.88		26.001	201.6	0.313		
									150	10.39	33.97		26.102	191.9	0.363		
									200	9.62	34.08		26.318	171.4	0.455		
									250	9.24	34.18		26.459	158.1	0.540		
									300	8.75	34.22		26.568	147.7	0.619		

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					1070A5		
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES								
30 21.5N	116 23.0W	10/28/69	0336	GMT	1701M	320	10KT	1	5	4							
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	S1GT	DT	DD		
									0	15.79	33.35		24.548	339.8	0.000		
									10	15.80	33.36		24.554	339.3	0.034		
									20	15.80	33.36		24.554	339.3	0.068		
									30	15.70	33.36		24.576	337.1	0.102		
									50	14.00	33.32		24.911	305.2	0.166		
									75	12.09	33.43		25.575	261.1	0.237		
									100	11.72	33.72		25.669	233.1	0.300		
									125	10.57	33.76		25.943	207.1	0.355		
									150	9.80	33.78		26.055	196.4	0.407		
									200	9.55	34.14		26.377	165.8	0.499		
									250	9.44	34.28		26.496	154.5	0.581		
									300	8.78	34.28		26.610	143.7	0.658		
									400	6.96	34.17		26.793	126.4	0.799		
									500	6.14	34.23		26.949	111.6	0.925		

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					1070A0		
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES								
30 12.0N	116 42.5W	10/28/69	0048	GMT	2554M	310	12KT	1	330	7	8						
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	S1GT	DT	DD		
									0	18.47	33.50		24.030	389.1	0.000		
									10	18.47	33.50		24.030	389.1	0.039		
									20	18.48	33.51		24.036	388.6	0.078		
									30	18.48	33.51		24.036	388.6	0.117		
									50	18.01	33.50		24.144	378.3	0.194		
									75	13.72	33.38		25.015	295.3	0.278		
									100	12.22	33.53		25.428	256.1	0.348		
									125	10.90	33.64		25.756	224.8	0.409		
									150	10.24	33.75		25.957	205.7	0.463		
									200	9.65	34.06		26.298	173.3	0.560		
									250	9.05	34.18		26.489	155.2	0.644		
									300	8.88	34.33		26.634	141.5	0.721		
									400	7.82	34.34		26.804	125.3	0.861		
									500	6.54	34.28		26.936	112.8	0.987		

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					107040	
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME			ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
29 51.5N	117 22.0W	10/27/69	1857 GMT			2250M	330	12KT	2	320 6 4						
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
									0	18.57	33.54		24.036	388.6	0.000	
									10	18.56	33.54		24.039	388.4	0.039	
									20	18.57	33.55		24.044	387.9	0.078	
									30	18.58	33.55		24.041	388.1	0.117	
									50	16.88	33.30		24.261	367.2	0.192	
									75	13.91	33.31		24.922	304.2	0.277	
									100	12.11	33.49		25.418	257.0	0.347	
									125	10.67	33.69		25.836	217.3	0.407	
									150	10.06	33.85		26.066	195.4	0.460	
									200	9.55	34.08		26.330	170.3	0.553	
									250	9.10	34.21		26.505	153.7	0.636	
									300	8.58	34.23		26.603	144.4	0.713	
									400	7.73	34.33		26.809	124.8	0.854	
									500	6.57	34.33		26.971	109.4	0.978	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					107060	
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME			ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
29 51.5N	118 01.5W	10/27/69	1255 GMT			3642M	320	17KT	1							
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
									0	19.27	33.64		23.936	398.2	0.000	
									10	19.28	33.65		23.941	397.7	0.040	
									20	19.28	33.65		23.941	397.7	0.080	
									30	19.29	33.65		23.938	397.9	0.119	
									50	19.10	33.60		23.949	396.9	0.199	
									75	11.99	33.50		25.448	254.1	0.281	
									100	11.05	33.60		25.702	230.0	0.342	
									125	10.18	33.79		25.999	201.8	0.397	
									150	9.70	34.03		26.266	176.4	0.445	
									200	9.19	34.15		26.443	159.5	0.530	
									250	9.03	34.29		26.578	146.7	0.609	
									300	8.15	34.28		26.707	134.5	0.682	
									400	7.34	34.30		26.842	121.7	0.816	
									500	6.50	34.30		26.957	110.8	0.939	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					107070	
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME			ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
29 11.0N	118 41.0W	10/27/69	0750 GMT			2886M	310	9KT	1							
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
									0	19.16	33.58		23.918	399.8	0.000	
									10	19.17	33.59		23.923	399.4	0.040	
									20	19.17	33.59		23.923	399.4	0.080	
									30	19.11	33.57		23.923	399.4	0.120	
									50	15.55	33.36		24.610	334.0	0.194	
									75	13.34	33.36		25.077	289.4	0.272	
									100	11.34	33.51		25.576	241.9	0.339	
									125	10.28	33.69		25.904	210.8	0.396	
									150	9.78	33.92		26.167	185.8	0.446	
									200	9.29	34.17		26.443	159.6	0.534	
									250	8.59	34.24		26.609	143.8	0.612	
									300	8.66	34.37		26.699	135.2	0.685	
									400	7.52	34.41		26.902	116.0	0.816	
									500	6.70	34.42		27.025	104.4	0.934	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					107080	
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME			ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
28 52.0N	119 19.5W	10/27/69	0243 GMT			3642M	330	11KT	1							
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
									0	19.07	33.47		23.857	405.7	0.000	
									10	19.07	33.47		23.857	405.7	0.041	
									20	19.07	33.47		23.857	405.7	0.081	
									30	19.05	33.48		23.870	404.4	0.122	
									50	16.10	33.27		24.417	352.3	0.198	
									75	14.07	33.26		24.851	311.0	0.281	
									100	12.94	33.35		25.149	282.6	0.356	
									125	11.36	33.42		25.503	248.9	0.423	
									150	10.65	33.64		25.804	220.3	0.482	
									200	9.84	34.01		26.227	180.1	0.584	
									250	8.53	34.01		26.438	160.0	0.671	
									300	7.85	34.10		26.611	143.6	0.750	
									400	7.14	34.24		26.823	123.5	0.889	
									500	6.70	34.34		26.962	110.4	1.013	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910						110035
LATITUDE		LONGITUDE		MO/DA/YR		MESSENGER TIME			ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
29 46.5N		116 00.5W		10/28/69		1220 GMT			1040M	320	9KT	2	320 3 6			
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
									0	15.57	33.32		24.574	337.3	0.000	
									10	15.57	33.33		24.582	336.6	0.034	
									20	15.48	33.33		24.602	334.7	0.067	
									30	15.22	33.31		24.644	330.7	0.101	
									50	13.38	33.32		25.038	293.1	0.163	
									75	12.67	33.70		25.472	251.8	0.232	
									100	12.11	33.80		25.658	234.2	0.293	
									125	11.44	33.91		25.870	214.0	0.350	
									150	10.56	33.97		26.073	194.7	0.402	
									200	9.58	34.09		26.333	170.0	0.495	
									250	9.47	34.30		26.515	152.7	0.578	
									300	8.77	34.31		26.635	141.3	0.654	
									400	7.50	34.30		26.819	123.9	0.792	
									500	6.55	34.29		26.942	112.2	0.917	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910						110035
LATITUDE		LONGITUDE		MO/DA/YR		MESSENGER TIME			ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
29 46.5N		116 00.5W		10/28/69		1344 GMT			1040M	320	9KT	2	320 3 6			
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
3	15.42	33.33	5.96	0.18	3.	0.00	0.0	333.4								
12	15.37	33.32	5.98	0.16	3.	0.02	0.0	333.1								
33	14.74		6.05	0.18	2.	0.00	0.0									
53	12.70		5.28	0.67	5.	0.01	4.1									
83	12.27		3.00	1.53	19.	0.01	14.8									
112	11.53	33.86	2.87	1.80	23.	0.01	18.2	219.4								
156	10.20		2.82	2.00	28.	0.08	22.2									
205	9.56		2.37	2.24	35.	0.02	25.6									
254	9.19		1.46													
307	8.86		0.93													
405	7.50	34.32	0.66					122.4								
510	6.54	34.31	0.73					110.6								

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910						110040
LATITUDE		LONGITUDE		MO/DA/YR		MESSENGER TIME			ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
29 36.5N		116 19.5W		10/28/69		1652 GMT			2176M	310	13KT	2	320 3 5			
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
									0	17.37	33.44		24.252	368.0	0.000	
									10	17.38	33.46		24.265	366.8	0.037	
									20	17.37	33.45		24.260	367.3	0.074	
									30	15.68	33.34		24.565	338.2	0.109	
									50	14.06	33.29		24.876	308.6	0.174	
									75	12.15	33.44		25.372	261.4	0.245	
									100	10.85	33.58		25.719	228.4	0.307	
									125	10.24	33.74		25.949	206.5	0.362	
									150	9.89	33.86		26.102	192.0	0.413	
									200	9.67	34.16		26.373	166.3	0.504	
									250	9.42	34.29		26.515	152.7	0.586	
									300	9.09	34.35		26.616	143.2	0.663	
									400	7.95	34.33		26.777	127.9	0.805	
									500	6.45	34.24		26.916	114.7	0.933	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910						110040
LATITUDE		LONGITUDE		MO/DA/YR		MESSENGER TIME			ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
29 36.5N		116 19.5W		10/28/69		1754 GMT			2176M	310	13KT	2	320 3 5			
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
0	17.42	33.45	5.66	0.31	2.	0.00	0.0	368.4								
10	17.41	33.44	5.69	0.31	1.	0.00	0.0	368.9								
30	16.45		5.86	0.36	2.	0.00	0.0									
50	14.13		5.76	0.47	3.	0.03	0.0									
81	12.12		4.97	0.87	8.	0.01	7.6									
110	10.65	33.64	3.88	1.40	17.	0.05	15.8	220.6								
154	9.70		2.95	1.89	29.	0.03	22.5									
203	9.60		1.87	2.35	38.	0.12	26.5									
251	9.27		1.34													
306	8.88	34.36	0.76					139.2								
406	7.85	34.35	0.70					125.0								
510	6.44		0.43													

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910						110040
LATITUDE	LONGITUDE	MO/DAY/YR			MESSENGER		TIME	ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
29 16.5N	116 59.0W	10/28/69			2305	GMT		3738M	310	13KT	2	320	5	4		
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	S16T	DT	DD	
									0	19.01	33.60		23.971	394.8	0.000	
									10	19.01	33.61		23.979	394.0	0.039	
									20	19.01	33.61		23.979	394.0	0.079	
									30	19.02	33.61		23.977	394.3	0.118	
									50	13.94	33.34		24.941	302.4	0.188	
									75	12.84	33.75		25.478	251.3	0.258	
									100	12.44	33.97		25.726	227.7	0.318	
									125	11.97	34.01		25.847	216.2	0.375	
									150	11.35	34.11		26.040	197.9	0.427	
									200	10.81	34.22		26.223	180.5	0.524	
									250	10.29	34.26		26.345	168.8	0.613	
									300	9.77	34.30		26.465	157.5	0.698	
									400	8.49	34.33		26.695	135.7	0.851	
									500	7.18	34.32		26.880	118.1	0.986	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910						110040
LATITUDE	LONGITUDE	MO/DAY/YR			MESSENGER		TIME	ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
29 16.5N	116 59.0W	10/28/69			2353	GMT		3738M	310	13KT	2	320	5	4		
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	S16T	DT	DD	
1	19.02	33.59	5.55	0.33	2.	0.00	0.5	395.7								
11	19.01	33.59	5.51	0.31	1.	0.00	0.4	395.4								
31	18.99		5.57	0.31	1.	0.00	0.4									
50	14.22		5.87	0.44	2.	0.00	0.5									
80	12.74		5.41	1.49	17.	0.00	15.0									
109	12.19	33.99	2.23	1.98	25.	0.00	21.1	221.7								
154	11.19		1.59	2.44	33.	0.00	24.8									
203	10.83		1.50	2.44	35.	0.00	25.9									
252	10.23		1.52													
306	9.70		1.33													
406	8.42	34.34	0.74					133.9								
510	7.03	34.34	0.37					114.6								

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910						110040
LATITUDE	LONGITUDE	MO/DAY/YR			MESSENGER		TIME	ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
28 57.0N	117 38.5W	10/29/69			0418	GMT		3642M	320	16KT	1	320	3	4		
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	S16T	DT	DD	
									0	18.36	33.51		24.065	385.8	0.000	
									10	18.36	33.51		24.065	385.8	0.039	
									20	18.36	33.51		24.065	385.8	0.077	
									30	18.35	33.51		24.068	385.6	0.116	
									50	15.79	33.25		24.472	347.1	0.189	
									75	13.85	33.40		25.004	296.4	0.270	
									100	11.91	33.43		25.409	257.8	0.340	
									125	11.08	33.63		25.716	228.6	0.402	
									150	10.27	33.72		25.929	208.4	0.457	
									200	9.50	33.98		26.260	176.9	0.555	
									250	9.22	34.20		26.478	156.3	0.641	
									300	8.64	34.24		26.601	144.6	0.718	
									400	7.62	34.30		26.802	125.6	0.860	
									500	6.81	34.32		26.931	113.3	0.986	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910						110040
LATITUDE	LONGITUDE	MO/DAY/YR			MESSENGER		TIME	ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES				
28 57.0N	117 38.5W	10/29/69			0506	GMT		3642M	320	16KT	1	320	3	4		
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	S16T	DT	DD	
2	18.36	33.50	5.37	0.36	2.	0.00	0.0	386.5								
12	18.37	33.51	5.52	0.33	1.	0.00	0.0	386.0								
32	18.34		5.49	0.40	1.	0.00	0.0									
51	15.57		5.20	0.56	2.	0.00	0.0									
82	13.08		5.59	0.60	4.	0.10	2.1									
111	11.38	33.57	4.36	1.09	12.	0.01	11.4	238.2								
153	10.03		3.39	1.69	25.	0.03	20.6									
203	9.41		2.64	2.09	35.	0.06	26.0									
253	9.05		1.93													
308	8.42		1.29													
406	7.62	34.33	0.59					123.3								
510	6.65	34.34	0.36					109.7								

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					110070		
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES								
28 36.5N	118 19.5W	10/29/69	0935	GMT	3648M	320	13KT	1									
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	S10T	DT	DD		
									0	19.36	33.68		23.943	397.4	0.000		
									10	19.37	33.68		23.941	397.7	0.040		
									20	19.38	33.68		23.938	397.9	0.080		
									30	19.38	33.68		23.938	397.9	0.119		
									50	18.86	33.65		24.047	387.5	0.198		
									75	15.25	33.45		24.745	321.1	0.287		
									100	11.69	33.53		25.528	246.6	0.359		
									125	10.30	33.73		25.931	208.2	0.416		
									150	9.75	33.94		26.188	183.8	0.466		
									200	9.28	34.14		26.421	161.6	0.554		
									250	8.85	34.24		26.568	147.7	0.634		
									300	8.43	34.29		26.673	137.8	0.708		
									400	7.70	34.32		26.806	125.2	0.845		
									500	6.46	34.33		26.986	108.1	0.969		

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					110070		
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES								
28 36.5N	118 19.5W	10/29/69	1043	GMT	3648M	320	13KT	1									
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	S10T	DT	DD		
1	19.51	33.66	5.60	0.31	2.	0.00	0.1	402.6									
10	19.52	33.66	5.49	0.33	2.	0.00	0.0	402.8									
39	19.47		5.42	0.33	2.	0.00	0.1										
58	18.18		5.56	0.40	3.	0.00	0.0										
77	14.78		6.17	0.51	5.	0.00	0.1										
107	10.74	33.64	3.92	1.33	17.	0.37	14.8	222.1									
151	9.74		2.75	1.98	31.	0.06	24.1										
200	9.18		2.04	2.26	41.	0.15	27.1										
249	8.90		1.28														
304	8.43		0.79														
403	7.60	34.33	0.49					123.0									
508	6.44	34.34	0.29					107.1									

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					1100A0		
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES								
28 17.0N	118 55.0W	10/29/69	1522	GMT	4022M	340	14KT	1	330 7 6								
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	S10T	DT	DD		
									0	18.99	33.55		23.938	397.9	0.000		
									10	19.00	33.55		23.936	398.2	0.040		
									20	18.99	33.55		23.938	397.9	0.080		
									30	18.99	33.55		23.938	397.9	0.120		
									50	17.72	33.48		24.199	373.1	0.197		
									75	15.46	33.45		24.698	325.5	0.285		
									100	14.55	33.58		24.996	297.2	0.363		
									125	12.27	33.37		25.295	268.7	0.435		
									150	11.51	33.58		25.599	239.7	0.499		
									200	9.77	33.91		26.161	186.3	0.607		
									250	8.85	34.05		26.420	161.8	0.697		
									300	8.31	34.14		26.574	147.2	0.776		
									400	7.16	34.20		26.788	126.8	0.919		
									500	6.65	34.31		26.945	112.0	1.045		

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					1100A0		
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES								
28 17.0N	118 55.0W	10/29/69	1600	GMT	4022M	340	14KT	1	330 7 6								
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	S10T	DT	DD		
0	18.98	33.53	5.51	0.38	1.	0.00	0.0	399.1									
10	18.97	33.53	5.40	0.38	1.	0.00	0.0	398.9									
40	18.98		5.46	0.36	1.	0.00	0.0										
60	15.84		6.12	0.36	1.	0.00	0.0										
80	15.22		5.95	0.36	1.	0.00	0.0										
110	13.33	33.43	5.63	0.51	3.	0.06	0.6	284.1									
154	11.26		4.82	0.87	10.	0.04	9.1										
204	9.77		3.03	1.64	30.	0.06	23.1										
252	8.84		3.01														
306	8.16		1.90														
406	7.10	34.23	0.89					123.8									
510	6.55	34.29	0.36					112.2									

RV ALEXANDER AGASSIZ CALCOFI CRUISE 6910 113040

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME			ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
29 22.0N	115 18.0W	10/30/69	2235	GMT		65M	280	10KT	0	280	3	4			
Z	T	S	02	P04	S103	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD
									0	18.81	33.64		24.052	387.0	0.000
									10	18.24	33.64		24.194	373.5	0.038
									20	13.99	33.43		24.998	296.9	0.072
									30	13.80	33.59		25.161	281.5	0.101
									50	13.30	33.64		25.301	268.1	0.156

RV ALEXANDER AGASSIZ CALCOFI CRUISE 6910 113035

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME			ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
29 11.5N	115 38.0W	10/30/69	1942	GMT		1280M	320	9KT	0	320	3	3			
Z	T	S	02	P04	S103	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD
									0	17.55	33.46		24.224	370.7	0.000
									10	17.37	33.47		24.275	365.8	0.037
									20	17.30	33.47		24.292	364.2	0.073
									30	17.17	33.49		24.338	359.8	0.110
									50	13.74	33.33		24.973	299.4	0.176
									75	12.27	33.45		25.056	262.9	0.246
									100	11.38	33.74		25.747	225.7	0.308
									125	11.59	34.00		25.910	210.2	0.363
									150	10.84	34.08		26.110	191.2	0.414
									200	11.16	34.42		26.315	171.7	0.507
									250	9.83	34.29		26.447	159.2	0.592
									300	8.62	34.24		26.604	144.3	0.671
									400	7.25	34.23		26.799	125.8	0.812
									500	6.56	34.31		26.957	110.8	0.937

RV ALEXANDER AGASSIZ CALCOFI CRUISE 6910 113040

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME			ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
29 03.0N	115 58.5W	10/30/69	1646	GMT		1894M	360	10KT	0	340	3	3			
Z	T	S	02	P04	S103	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD
									0	18.46	33.61		24.117	380.9	0.000
									10	18.47	33.62		24.122	380.4	0.038
									20	18.43	33.62		24.132	379.5	0.076
									30	18.43	33.62		24.132	379.5	0.114
									50	14.61	33.27		24.745	321.1	0.184
									75	12.31	33.39		25.302	268.0	0.258
									100	12.35	33.69		25.327	246.7	0.323
									125	11.16	33.78		25.818	218.9	0.382
									150	10.61	33.97		26.064	195.6	0.435
									200	9.94	34.18		26.343	169.1	0.528
									250	9.63	34.30		26.488	153.3	0.611
									300	8.30	34.23		26.646	140.3	0.688
									400	7.26	34.26		26.822	123.6	0.826
									500	6.68	34.33		26.957	110.9	0.950

RV ALEXANDER AGASSIZ CALCOFI CRUISE 6910 113040

LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME			ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
28 42.0N	116 37.0W	10/30/69	1120	GMT		3546M	340	7KT	1						
Z	T	S	02	P04	S103	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD
									0	18.30	33.52		24.088	383.7	0.000
									10	18.24	33.53		24.110	381.5	0.038
									20	18.14	33.53		24.135	379.2	0.076
									30	18.07	33.51		24.137	379.0	0.114
									50	14.60	33.32		24.768	318.8	0.184
									75	12.98	33.38		25.164	281.1	0.260
									100	11.46	33.56		25.393	240.3	0.325
									125	11.15	33.88		25.898	211.4	0.383
									150	10.17	33.78		25.992	202.4	0.435
									200	10.08	34.11		26.265	176.5	0.532
									250	9.88	34.25		26.491	155.0	0.617
									300	8.75	34.25		26.592	145.5	0.695
									400	7.39	34.28		26.819	123.9	0.835
									500	6.62	34.31		26.949	111.6	0.960

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					113060
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME			ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
28 22.0N	117 15.5W	10/30/69	0640	GMT		3623M	010	BKT	1						
Z	T	S	02	P04	S103	NO2	NO3	DT	Z	T	S	02	S1GT	DT	DD
									0	19.35	33.64		23.915	400.1	0.000
									10	19.35	33.64		23.915	400.1	0.040
									20	19.27	33.64		23.936	398.2	0.080
									30	19.26	33.64		23.938	397.9	0.120
									50	15.89	33.34		24.518	342.6	0.194
									75	12.98	33.38		25.164	281.1	0.273
									100	11.46	33.54		25.578	241.8	0.338
									125	10.69	33.72		25.856	215.4	0.396
									150	10.00	33.85		26.076	194.5	0.448
									200	9.10	34.03		26.364	167.0	0.540
									250	8.78	34.19		26.540	150.4	0.622
									300	8.35	34.28		26.677	137.4	0.696
									400	7.45	34.32		26.842	121.7	0.832
									500	6.58	34.34		26.978	108.8	0.954

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					113070
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME			ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
28 03.0N	117 54.0W	10/30/69	0159	GMT		3482M	260	4KT	1						
Z	T	S	02	P04	S103	NO2	NO3	DT	Z	T	S	02	S1GT	DT	DD
									0	19.72	33.66		23.835	407.7	0.000
									10	19.51	33.65		23.882	403.3	0.041
									20	19.42	33.64		23.897	401.8	0.081
									30	19.35	33.62		23.900	401.6	0.121
									50	15.28	33.24		24.377	337.1	0.195
									75	13.73	33.34		24.982	298.4	0.275
									100	12.15	33.43		25.364	262.2	0.346
									125	11.12	33.54		25.639	235.9	0.409
									150	10.13	33.64		25.890	212.1	0.465
									200	9.70	34.10		26.321	171.2	0.563
									250	8.37	34.07		26.510	153.2	0.646
									300	8.69	34.32		26.656	139.4	0.722
									400	7.11	34.21		26.803	125.4	0.860
									500	6.44	34.27		26.941	112.3	0.986

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					113080
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME			ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
27 42.0N	118 32.0W	10/29/69	2104	GMT		3926M	280	5KT	1			300	4	6	
Z	T	S	02	P04	S103	NO2	NO3	DT	Z	T	S	02	S1GT	DT	DD
									0	19.34	33.60		23.888	402.8	0.000
									10	19.09	33.60		23.951	396.7	0.040
									20	19.09	33.60		23.951	396.7	0.080
									30	19.08	33.60		23.954	396.5	0.119
									50	18.74	33.61		24.047	387.6	0.198
									75	16.88	33.86		24.689	326.4	0.288
									100	15.17	33.75		24.993	297.5	0.366
									125	12.65	33.62		25.375	261.1	0.437
									150	11.22	33.63		25.691	231.0	0.499
									200	9.93	33.90		26.127	189.6	0.606
									250	8.95	34.09		26.435	160.3	0.696
									300	8.41	34.17		26.582	146.4	0.775
									400	7.39	34.27		26.811	124.6	0.917
									500	6.58	34.31		26.954	111.1	1.041

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					117030
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME			ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
28 48.5N	114 57.0W	10/31/69	2116	GMT		101M	280	9KT	0			290	3	7	
Z	T	S	02	P04	S103	NO2	NO3	DT	Z	T	S	02	S1GT	DT	DD
									0	17.94	33.49		24.153	377.5	0.000
									10	16.96	33.45		24.357	358.0	0.037
									20	16.13	33.43		24.533	341.2	0.072
									30	15.81	33.44		24.613	333.6	0.106
									50	14.18	33.33		24.882	308.0	0.170
									75	11.77	33.48		25.474	251.7	0.240
									100	11.74	33.73		25.673	232.7	0.301

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					117035
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME			ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
28 38.0N	115 16.0W	10/31/69	2354	GMT		207M	300	12KT	0			290	5	4	
Z	T	S	02	P04	S103	NO2	NO3	DT	Z	T	S	02	S1GT	DT	DD
									0	17.63	33.48		24.220	371.0	0.000
									10	17.41	33.45		24.250	368.2	0.037
									20	16.70	33.45		24.417	352.3	0.073
									30	16.48	33.44		24.461	348.1	0.108
									50	15.60	33.44		24.660	329.2	0.176
									75	14.36	33.65		25.090	288.2	0.254
									100	12.70	33.79		25.336	245.7	0.321
									125	11.81	33.95		25.850	217.8	0.380
									150	10.97	34.13		26.124	189.8	0.431
									200	10.57	34.20		26.250	177.9	0.525

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910						117040
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME			ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
28 28.0N	115 35.5W	11/ 1/69	0534	GMT		979M	310	11KT	0							
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SI0T	DT	DD	
									0	17.71	33.52		24.232	370.0	0.000	
									10	17.70	33.53		24.242	369.0	0.037	
									20	17.70	33.53		24.242	369.0	0.074	
									30	17.60	33.53		24.266	366.7	0.111	
									50	15.91	33.54		24.667	328.5	0.181	
									75	13.48	33.57		25.211	276.7	0.257	
									100	13.09	33.91		25.564	243.1	0.322	
									125	12.18	34.09		25.869	214.1	0.380	
									150	11.55	34.06		25.964	205.1	0.433	
									200	10.63	34.22		26.455	177.4	0.531	
									250	9.92	34.33		26.463	157.7	0.617	
									300	9.12	34.34		26.603	144.4	0.695	
									400	7.64	34.35		26.838	122.1	0.835	
									500	6.71	34.36		26.976	109.0	0.957	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910						117040
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME			ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
28 08.0N	116 15.0W	11/ 1/69	1046	GMT		4117M	310	11KT	0							
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SI0T	DT	DD	
									0	19.54	33.77		23.966	395.3	0.000	
									10	19.54	33.77		23.966	395.3	0.040	
									20	19.54	33.77		23.966	395.3	0.079	
									30	19.53	33.77		23.968	395.1	0.119	
									50	16.40	33.65		24.640	331.1	0.192	
									75	12.98	33.51		25.265	271.6	0.267	
									100	12.10	33.69		25.574	242.1	0.332	
									125	11.27	33.85		25.853	215.6	0.390	
									150	10.53	34.05		26.175	185.0	0.441	
									200	10.02	34.26		26.392	164.4	0.530	
									250	9.71	34.40		26.553	149.1	0.611	
									300	9.11	34.42		26.667	138.3	0.685	
									400	8.21	34.44		26.824	123.4	0.823	
									500	7.04	34.40		26.962	110.3	0.947	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910						117040
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME			ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
27 48.0N	116 53.0W	11/ 1/69	1518	GMT		2985M	350	9KT	1			02	360	6	5	
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SI0T	DT	DD	
									0	19.40	33.61		23.880	403.5	0.000	
									10	19.41	33.62		23.885	403.0	0.040	
									20	19.41	33.62		23.885	403.0	0.081	
									30	19.41	33.62		23.885	403.0	0.121	
									50	17.14	33.35		24.238	369.4	0.199	
									75	14.13	33.34		24.900	306.3	0.283	
									100	12.05	33.45		25.398	258.9	0.355	
									125	10.88	33.56		25.698	230.4	0.416	
									150	9.99	33.76		26.007	201.0	0.471	
									200	9.59	34.04		26.292	173.9	0.567	
									250	8.74	34.11		26.484	155.7	0.651	
									300	8.52	34.25		26.627	142.1	0.728	
									400	7.48	34.31		26.830	122.9	0.867	
									500	6.74	34.36		26.972	109.4	0.990	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910						117070
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME			ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
27 26.0N	117 33.5W	11/ 1/69	2002	GMT		3738M	330	12KT	1			02	330	4	5	
Z	T	S	O2	PO4	SI03	NO2	NO3	DT	Z	T	S	O2	SI0T	DT	DD	
									0	19.28	33.50		23.827	408.6	0.000	
									10	19.15	33.51		23.867	404.7	0.041	
									20	19.10	33.52		23.888	402.7	0.081	
									30	19.15	33.56		23.906	401.1	0.121	
									50	18.15	33.59		24.178	375.1	0.199	
									75	17.02	33.80		24.810	333.9	0.288	
									100	15.56	33.68		24.853	310.8	0.370	
									125	13.65	33.63		25.222	275.6	0.444	
									150	11.82	33.57		25.534	245.9	0.510	
									200	9.90	33.95		26.170	185.5	0.619	
									250	9.06	34.09		26.418	162.0	0.709	
									300	8.73	34.22		26.571	147.4	0.788	
									400	7.59	34.28		26.790	126.6	0.932	
									500	6.68	34.33		26.957	110.9	1.057	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					117080	
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
27 07.5N		118 10.0W		11/ 2/69		0025 GMT			4117M	350	8KT	1	340 4 6			
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
									0	19.47	33.54		23.809	410.3	0.000	
									10	19.46	33.55		23.819	409.3	0.041	
									20	19.55	33.55		23.847	406.6	0.082	
									30	19.34	33.55		23.850	406.4	0.123	
									50	16.97	33.48		24.377	356.1	0.199	
									75	15.12	33.34		24.689	326.4	0.285	
									100	13.26	33.46		25.170	280.6	0.361	
									125	12.12	33.55		25.462	252.8	0.429	
									150	10.74	33.67		25.808	219.9	0.489	
									200	10.04	34.00		26.186	184.0	0.591	
									250	9.19	34.13		26.428	161.0	0.680	
									300	8.78	34.24		26.579	146.7	0.759	
									400	7.68	34.30		26.793	126.4	0.902	
									500	6.78	34.33		26.943	112.1	1.028	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					118039	
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
28 18.5N		115 24.5W		11/ 1/69		0235 GMT			286M	340	8KT	0				
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
									0	18.68	33.68		24.115	381.0	0.000	
									10	18.50	33.68		24.160	376.8	0.038	
									20	18.25	33.67		24.219	371.1	0.075	
									30	17.82	33.65		24.304	363.0	0.112	
									50	16.65	33.67		24.597	335.1	0.182	
									75	13.17	33.66		25.343	264.2	0.258	
									100	12.94	33.86		25.543	245.1	0.322	
									125	11.90	33.99		25.844	216.4	0.380	
									150	11.35	34.03		25.978	203.8	0.433	
									200	10.35	34.21		26.299	173.2	0.530	
									250	9.88	34.29		26.439	160.0	0.615	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					118039	
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
28 18.5N		115 24.5W		11/ 1/69		0309 GMT			286M	340	8KT	0				
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
1	18.61	33.67	5.59	0.40	4.	0.00	0.0	380.1								
11	18.57	33.66	5.71	0.36	4.	0.00	0.0	379.9								
31	17.77		4.76	0.53	6.	0.14	2.0									
46	16.64		4.67	0.75	7.	0.21	2.8									
55	15.13		5.56	0.47	3.	0.02	0.1									
70	13.36	33.57	0.80	0.80	7.	0.11	4.5	274.4								
85	13.19		3.73	1.29	14.	0.06	11.6									
104	12.77		2.85	1.69	20.	0.07	16.8									
129	11.58		2.41	2.00	27.	0.06	20.2									
149	11.34		2.19	2.35	29.	0.25	20.2									
178	10.75	34.17	1.65	2.35	35.	0.07	25.1	183.2								
203	10.29	34.22	1.57	2.44	39.	0.08	26.0	171.8								

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					119033	
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
28 19.0N		114 53.0W		10/31/69		1736 GMT			108M	330	9KT	0	330 2 6			
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
									0	19.62	33.68		23.876	403.8	0.000	
									10	19.52	33.68		23.902	401.4	0.040	
									20	19.51	33.68		23.905	401.1	0.080	
									30	19.50	33.68		23.907	400.9	0.121	
									50	18.16	33.57		24.160	376.8	0.199	
									75	16.50	33.49		24.494	344.9	0.289	
									100	13.35	33.65		25.299	268.3	0.367	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					119033	
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER TIME			ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
28 19.0N		114 53.0W		10/31/69		1751 GMT			108M	330	9KT	0	330 2 6			
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
1	19.66	33.68	5.21	0.36	2.	0.02	0.0	404.8								
12	19.54	33.67	5.23	0.36	2.	0.03	0.0	402.6								
21	19.52	33.67	5.22	0.33	2.	0.03	0.0	402.1								
31	19.51		5.18	0.29	2.	0.01	0.0									
51	18.16	33.57	5.25	0.40	3.	0.02	0.0	376.8								
75	15.27	33.40	5.59	0.64	4.	0.37	0.1	325.1								

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910							120045
LATITUDE	LONGITUDE	MO/UAY/YR	MESSENGER TIME		ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES								
27 43.0N	115 33.0W	11/ 3/69	0255	GMT	2416M	350	16KT	1									
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD		
									0	19.38	33.77		24.007	391.4	0.000		
									10	19.37	33.77		24.009	391.1	0.039		
									20	18.47	33.72		24.198	373.1	0.077		
									30	17.32	33.60		24.386	355.2	0.114		
									50	15.19	33.62		24.888	307.4	0.180		
									75	13.00	33.65		25.353	263.1	0.252		
									100	11.68	33.71		25.869	233.1	0.315		
									125	11.12	33.88		25.903	210.9	0.371		
									150	10.77	34.06		26.106	191.6	0.422		
									200	10.85	34.40		26.355	167.9	0.514		
									250	10.21	34.44		26.499	154.2	0.597		
									300	9.42	34.38		26.585	146.0	0.675		
									400	7.84	34.33		26.793	126.4	0.817		
									500	6.80	34.38		26.980	108.7	0.942		

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910							120045
LATITUDE	LONGITUDE	MO/UAY/YR	MESSENGER TIME		ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES								
27 43.0N	115 33.0W	11/ 3/69	0342	GMT	2416M	350	16KT	1									
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD		
1	19.31	33.74	5.64	0.29	2.	0.00	0.0	391.9									
11	19.27	33.74	5.57	0.33	3.	0.00	0.0	390.9									
31	17.63		5.00	0.53	5.	0.22	0.8										
41	16.14		5.61	0.31	1.	0.00	0.0										
51	15.39		4.89	0.60	6.	0.26	3.1										
66	14.93		3.59	0.71	8.	0.07	5.9										
81	12.70	33.65	4.24	1.44	13.	0.31	12.4	256.0									
101	11.55		3.40	1.91	23.	0.59	18.8										
145	10.72		2.68	1.53	22.	0.11	18.1										
175	11.14		1.05	2.60	37.	0.06	26.4										
205	10.75		0.96	2.55	39.	0.06	25.2										
235	10.33		0.72														
275	9.77		0.83														
333	8.75		0.81														
407	7.78		0.52														
480	7.00	34.37	0.32					112.0									
560	6.35	34.40	0.23					101.2									

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910							120050
LATITUDE	LONGITUDE	MO/UAY/YR	MESSENGER TIME		ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES								
27 33.0N	115 52.5W	11/ 2/69	2254	GMT	3728M	310	9KT	1					330	4	5		
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD		
									0	20.44	33.82		23.768	414.1	0.000		
									10	20.17	33.83		23.847	406.6	0.041		
									20	19.01	33.65		24.009	391.1	0.081		
									30	18.80	33.65		24.055	386.8	0.120		
									50	16.18	33.47		24.552	339.4	0.193		
									75	14.06	33.64		25.145	282.9	0.271		
									100	12.81	33.91		25.607	239.0	0.337		
									125	11.27	33.97		25.946	206.8	0.393		
									150	10.92	34.14		26.141	188.2	0.443		
									200	10.00	34.22		26.364	167.1	0.534		
									250	9.45	34.34		26.549	149.3	0.616		
									300	8.75	34.33		26.654	139.5	0.691		
									400	8.02	34.43		26.844	121.5	0.827		
									500	6.77	34.35		26.960	110.5	0.951		

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910							120050
LATITUDE	LONGITUDE	MO/UAY/YR	MESSENGER TIME		ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES								
27 33.0N	115 52.5W	11/ 2/69	2344	GMT	3728M	310	9KT	1					330	4	5		
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD		
0	20.36		5.31	0.40	1.	0.00	0.0										
10	19.65	33.78	5.29	0.16	1.	0.00	0.0	397.3									
30	18.03		5.34	0.38	1.	0.05	0.0										
40	16.27		5.68	0.24	0.	0.17	0.0										
49	14.78		5.64	0.51	1.	0.17	0.7										
63	14.13		4.74	0.73	2.	0.14	3.8										
79	13.90		3.55	1.47	3.	0.08	11.2										
98	12.42	33.89	3.03	1.51	16.	0.05	14.2	233.2									
122	11.20		2.64	1.80	26.	0.10	20.5										
142	10.86		2.22	1.22	20.	0.07	15.0										
171	10.39		2.00	2.02	31.	0.05	22.7										
201	10.12		1.61	2.42	38.	0.06	25.6										
231	9.79		1.36														
270	9.29		0.91														
329	8.86		0.53														
402	7.84	34.39	0.34					121.9									
475	7.03	34.38	0.26					111.7									
555	6.49		0.16														

RV ALEXANDER AGASSIZ						CALCOFI CRUISE 6910						120060			
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
27 13.0N	116 29.5W	11/ 2/69	1720	GMT	3632M	320	9KT	1	320	3	5				
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SI6T	DT	DD
0									0	19.75	33.67		23.840	407.3	0.000
10									10	19.54	33.67		23.889	402.6	0.041
20									20	19.55	33.68		23.894	402.1	0.081
30									30	19.55	33.68		23.894	402.1	0.121
40									40	17.20	33.52		24.354	358.3	0.197
50									50	17.20	33.52		24.354	358.3	0.197
75									75	13.88	33.45		25.036	293.3	0.279
100									100	11.95	33.53		25.483	250.8	0.348
125									125	10.40	33.66		25.860	215.0	0.407
150									150	9.91	33.85		26.091	193.0	0.458
200									200	9.95	34.22		26.576	166.0	0.550
250									250	8.95	34.22		26.340	150.4	0.631
300									300	8.56	34.31		26.668	138.2	0.706
400									400	7.58	34.34		26.839	122.0	0.842
500									500	6.74	34.34		26.456	110.9	0.966

RV ALEXANDER AGASSIZ						CALCOFI CRUISE 6910						120060			
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
27 13.0N	116 29.5W	11/ 2/69	1805	GMT	3832M	320	9KT	1	320	3	5				
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SI6T	DT	DD
0	19.77	33.67	5.37	0.27	2.	0.00	0.0	408.2							
10	19.62	33.68	5.38	0.24	2.	0.00	0.0	403.8							
30	19.59		5.38	0.27	2.	0.00	0.0								
41	19.48		5.37	0.27	2.	0.00	0.0								
50	17.22		5.50	0.38	2.	0.29	0.0								
65	15.26		5.36	0.44	3.	0.08	0.7								
79	13.23		5.05	0.64	6.	0.11	3.6								
100	11.58	33.52	4.57	0.93	11.	0.28	9.4	245.4							
125	10.33		4.02	1.22	19.	0.57	14.6								
145	9.95		3.35	1.64	26.	0.11	19.8								
174	9.74		2.51	2.00	34.	0.11	23.6								
204	9.93		1.72	2.29	39.	0.14	25.7								
233	9.10		1.89												
273	8.82		1.47												
333	8.30		0.74												
407	7.56	34.35	0.45					121.0							
481	6.91	34.36	0.36					111.6							
561	6.27														

RV ALEXANDER AGASSIZ						CALCOFI CRUISE 6910						120070			
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
26 56.5N	117 11.5W	11/ 2/69	1112	GMT	4003M	340	10KT								
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SI6T	DT	DD
0	19.17	33.50							0	19.17	33.50		23.855	405.9	0.000
10	19.17	33.51							10	19.17	33.51		23.862	405.2	0.041
20	19.17	33.51							20	19.17	33.51		23.862	405.2	0.081
30	19.15	33.51							30	19.15	33.51		23.867	404.7	0.122
40	17.45	33.55							40	17.45	33.55		24.322	361.4	0.199
50	16.60	33.78							50	16.60	33.78		24.693	326.0	0.285
75	14.87	33.73							75	14.87	33.73		25.042	292.7	0.363
100	12.18	33.53							100	12.18	33.53		25.436	255.3	0.432
125	10.78	33.63							125	10.78	33.63		25.770	223.5	0.493
150	9.75	34.05							150	9.75	34.05		26.274	175.7	0.594
200	9.53	34.21							200	9.53	34.21		26.468	157.2	0.680
250	9.00	34.30							250	9.00	34.30		26.591	145.5	0.758
300	7.66	34.31							300	7.66	34.31		26.804	125.4	0.900
400	6.59	34.31							400	6.59	34.31		26.953	111.2	1.025
500									500						

RV ALEXANDER AGASSIZ						CALCOFI CRUISE 6910						120070			
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER	TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
26 56.5N	117 11.5W	11/ 2/69	1204	GMT	4003M	340	10KT								
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SI6T	DT	DD
1	19.19	33.48	5.39	0.40	1.	0.00	0.0	407.8							
11	19.16	33.50	5.40	0.38	2.	0.00	0.0	405.7							
31	19.12		5.53	0.36	1.	0.00	0.0								
41	19.10		5.43	0.38	1.	0.00	0.0								
49	17.60		5.94	0.31	1.	0.00	0.0								
64	17.00		5.85	0.33	1.	0.00	0.0								
78	15.83		5.72	0.35	1.	0.00	0.0								
99	14.09	33.69	5.60	0.51	3.	0.11	0.6	279.9							
123	11.76		4.99	0.75	8.	0.06	6.9								
142	10.96		4.46	1.11	13.	0.08	12.0								
172	10.06		3.19	1.78	26.	0.03	20.5								
201	9.80		2.57	2.09	34.	0.06	23.9								
231	9.55		2.03												
270	9.34		1.49												
330	8.57		0.95												
404	7.62	34.31	0.63					124.8							
477	6.85	34.28	0.47					116.8							
558	6.25		0.29												

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910						1200A0
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER		TIME	ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
26 32.5N	117 49.0W	11/ 2/69	0505	GMT		4270M	320	9KT								
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
									0	19.66	33.62		23.820	409.2	0.000	
									10	19.67	33.62		23.818	409.4	0.041	
									20	19.66	33.62		23.820	409.2	0.082	
									30	19.57	33.62		23.844	406.9	0.123	
									50	18.15	33.44		24.064	386.0	0.202	
									75	14.82	33.45		24.838	312.2	0.290	
									100	13.81	33.65		25.205	277.3	0.364	
									125	11.68	33.57		25.560	243.4	0.430	
									150	10.34	33.78		25.965	205.0	0.487	
									200	9.87	34.17		26.347	168.7	0.582	
									250	9.26	34.24		26.502	153.9	0.665	
									300	9.12	34.37		26.626	142.1	0.742	
									400	7.93	34.34		26.787	126.9	0.885	
									500	7.14	34.37		26.925	113.9	1.011	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910						1200A0		
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER		TIME	ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES								
26 32.5N	117 49.0W	11/ 2/69	0548	GMT		4270M	320	9KT										
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD			
									0	19.66	33.59		5.55	0.40	1.0	0.00	0.0	411.3
									10	19.67	33.59		5.56	0.64	1.0	0.00	0.0	411.6
									30	19.61			5.59	0.42	1.0	0.00	0.0	
									40	19.51			4.83U	0.40	1.0	0.01	0.0	
									50	17.31			6.24	0.38	1.0	0.00	0.0	
									64	15.29			6.18	0.53	1.0	0.00	0.0	
									80	15.23			5.85	0.31	1.0	0.00	0.0	
									100	14.04	33.66		5.55	0.44	3.0	0.06	0.9	281.1
									124	11.23			5.01	0.78	10.0	0.01	8.7	
									144	10.34			3.67	1.53	22.0	0.06	17.5	
									174	10.10			2.51	2.02	33.0	0.04	24.0	
									204	9.75			2.02	2.26	36.0	0.08	25.0	
									233	9.46			1.70					
									273	9.26			1.14					
									333	8.48			0.93					
									407	7.72	34.34		0.73				124.0	
									480	7.29	34.35		0.66				117.3	
									560	6.38			0.42					

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910						123037
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER		TIME	ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
27 24.5N	114 40.0W	11/ 3/69	1231	GMT		71M	090	3KT	1							
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
									0	19.24	33.79		24.060	386.3	0.000	
									10	19.22	33.80		24.070	385.3	0.039	
									20	18.72	33.79		24.189	374.0	0.077	
									30	18.60	33.93		24.326	361.0	0.113	
									50	16.14	33.64		24.694	325.9	0.182	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910						123042
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER		TIME	ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES						
27 13.5N	114 59.5W	11/ 4/69	0440	GMT		2322M	080	6KT								
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
									0	20.51	33.83		23.757	415.2	0.000	
									10	20.52	33.84		23.762	414.7	0.042	
									20	20.36	33.84		23.805	410.7	0.083	
									30	20.06	33.83		23.876	403.9	0.124	
									50	16.26	33.61		24.641	330.9	0.197	
									75	14.41	33.96		25.318	266.5	0.272	
									100	14.35	34.09		25.431	255.8	0.338	
									125	12.56	34.09		25.795	221.1	0.399	
									150	11.08	34.02		26.019	199.8	0.452	
									200	10.24	34.26		26.354	168.0	0.546	
									250	9.52	34.30		26.507	153.5	0.629	
									300	8.94	34.33		26.624	142.4	0.705	
									400	8.11	34.39		26.800	125.7	0.846	
									500	7.17	34.42		26.960	110.5	0.972	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					123050		
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME			ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
26 58.0N	115 31.0W	11/ 4/69	0905	GMT		3339M	350	9KT	0								
Z	T	S	Q2	P04	S103	NO2	NO3	DT	Z	T	S	Q2	S1GT	DT	DD		
									0	20.33	33.84		23.813	409.9	0.000		
									10	20.35	33.84		23.813	409.9	0.041		
									20	19.97	33.83		23.900	401.6	0.082		
									30	19.56	33.83		24.006	391.5	0.121		
									50	17.57	33.76		24.449	349.3	0.196		
									75	13.42	33.56		25.215	276.3	0.274		
									100	11.60	33.71		25.684	231.7	0.338		
									125	10.85	33.93		25.994	202.2	0.393		
									150	9.95	33.98		26.185	184.0	0.442		
									200	9.85	34.29		26.444	159.5	0.530		
									250	9.59	34.39		26.565	148.0	0.609		
									300	9.05	34.39		26.653	139.6	0.684		
									400	7.84	34.36		26.816	124.1	0.822		
									500	6.61	34.36		26.989	107.7	0.945		

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					123060		
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME			ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
26 35.5N	116 15.5W	11/ 4/69	1340	GMT		3926M	070	8KT	1	350 3 6							
Z	T	S	Q2	P04	S103	NO2	NO3	DT	Z	T	S	Q2	S1GT	DT	DD		
									0	20.55	33.84		23.754	415.5	0.000		
									10	20.55	33.84		23.754	415.5	0.042		
									20	20.55	33.84		23.754	415.5	0.083		
									30	20.55	33.84		23.754	415.5	0.125		
									50	14.88	33.49		24.856	310.5	0.198		
									75	12.71	33.54		25.341	264.3	0.270		
									100	11.26	33.76		25.785	222.1	0.331		
									125	10.67	33.94		26.030	198.8	0.384		
									150	10.40	34.09		26.194	183.2	0.433		
									200	10.54	34.41		26.418	161.9	0.521		
									250	9.20	34.27		26.536	150.8	0.602		
									300	8.94	34.36		26.647	140.2	0.677		
									400	8.05	34.39		26.809	124.9	0.816		
									500	6.82	34.36		26.961	110.4	0.941		

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					127034		
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME			ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
26 55.5N	114 06.0W	11/ 5/69	0747	GMT		82M	300	12KT	0								
Z	T	S	Q2	P04	S103	NO2	NO3	DT	Z	T	S	Q2	S1GT	DT	DD		
									0	21.74	34.40		23.856	405.8	0.000		
									10	21.70	34.39		23.859	405.4	0.041		
									20	19.40	33.89		24.093	383.2	0.080		
									30	19.11	33.96		24.220	371.0	0.118		
									50	17.80	34.17		24.706	324.7	0.188		
									75	16.67	34.19		24.990	297.6	0.266		

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					127040		
LATITUDE	LONGITUDE	MO/DAY/YR	MESSENGER TIME			ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
26 43.5N	114 28.5W	11/ 5/69	0434	GMT		3009M	310	12KT	0								
Z	T	S	Q2	P04	S103	NO2	NO3	DT	Z	T	S	Q2	S1GT	DT	DD		
									0	21.59	34.28		23.806	410.5	0.000		
									10	21.59	34.28		23.806	410.5	0.041		
									20	19.67	33.83		23.978	394.2	0.081		
									30	16.80	33.51		24.440	350.1	0.119		
									50	14.98	33.52		24.857	310.3	0.185		
									75	14.42	33.88		25.254	272.5	0.258		
									100	13.71	34.17		25.626	237.2	0.323		
									125	13.06	34.34		25.889	212.1	0.379		
									150	11.84	34.24		26.049	196.9	0.431		
									200	10.57	34.34		26.359	167.6	0.525		
									250	10.04	34.43		26.520	152.2	0.607		
									300	9.02	34.36		26.635	141.4	0.683		
									400	8.06	34.38		26.799	125.8	0.823		
									500	7.00	34.39		26.960	110.5	0.949		

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					127050		
LATITUDE	LONGITUDE	MO/DAY/YR			MESSENGER TIME			ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
26 23.5N	115 08.0W	11/ 4/69			2303 GMT			4251M	310	7KT	0	300 2 4					
Z	T	S	02	P04	S103	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD		
									0	21.31	33.82		23.534	436.4	0.000		
									10	20.76	33.80		23.668	423.7	0.043		
									20	20.66	33.81		23.702	420.4	0.085		
									30	20.28	33.80		23.795	411.5	0.127		
									50	14.84	33.40		24.795	316.3	0.200		
									75	13.22	33.57		25.263	271.7	0.274		
									100	11.81	33.69		25.629	236.9	0.338		
									125	10.58	33.81		25.980	203.6	0.394		
									150	10.12	33.97		26.149	187.5	0.443		
									200	9.53	34.17		26.404	163.3	0.533		
									250	9.60	34.40		26.571	147.4	0.613		
									300	8.94	34.38		26.663	138.7	0.687		
									400	7.62	34.34		26.833	122.6	0.824		
									500	6.92	34.41		26.987	108.0	0.946		

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					127060		
LATITUDE	LONGITUDE	MO/DAY/YR			MESSENGER TIME			ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
26 03.5N	115 47.0W	11/ 4/69			1824 GMT			3804M	300	8KT	0	310 1 5					
Z	T	S	02	P04	S103	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD		
									0	20.31	33.60		23.636	426.8	0.000		
									10	20.02	33.60		23.712	419.5	0.042		
									20	19.98	33.60		23.722	418.5	0.084		
									30	19.87	33.59		23.743	416.5	0.126		
									50	17.04	33.40		24.300	363.5	0.204		
									75	15.26	33.46		24.750	320.6	0.290		
									100	12.64	33.35		25.208	277.0	0.366		
									125	10.99	33.49		25.624	237.4	0.431		
									150	10.17	33.81		26.016	200.2	0.486		
									200	9.53	34.10		26.346	168.8	0.580		
									250	8.90	34.21		26.537	150.7	0.662		
									300	8.48	34.26		26.641	140.7	0.737		
									400	7.56	34.33		26.834	122.5	0.875		
									500	6.72	34.36		26.975	109.1	0.998		

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					130030		
LATITUDE	LONGITUDE	MO/DAY/YR			MESSENGER TIME			ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
26 28.5N	113 29.0W	11/ 5/69			1415 GMT			78M	060	5KT	1	050 2 6					
Z	T	S	02	P04	S103	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD		
									0	21.61	34.32		23.831	408.1	0.000		
									10	21.61	34.32		23.831	408.1	0.041		
									20	20.96	34.15		23.879	403.5	0.081		
									30	19.77	33.98		24.066	385.7	0.121		
									50	19.63	34.23		24.292	364.2	0.196		

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					130030		
LATITUDE	LONGITUDE	MO/DAY/YR			MESSENGER TIME			ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
26 28.5N	113 29.0W	11/ 5/69			1448 GMT			78M	060	5KT	1	050 2 6					
Z	T	S	02	P04	S103	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD		
1	21.59	34.32	5.09	0.36	1.	0.00	0.0	407.6	0	21.59	34.32	5.09	23.836	407.6	0.000		
10	21.57	34.32	5.11	0.36	1.	0.00	0.0	407.1	10	21.57	34.32	5.11	23.842	407.1	0.041		
20	21.32	34.26	5.22	0.36	1.	0.00	0.0	404.9	20	21.32	34.26	5.22	23.865	404.9	0.081		
30	19.98	33.98	5.33	0.38	1.	0.00	0.0	391.0	30	19.98	33.98	5.33	24.011	391.0	0.121		
50	19.87	34.20	4.79	0.58	3.	0.18	0.3	372.3	50	19.87	34.20	4.79	24.207	372.3	0.198		

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					130040		
LATITUDE	LONGITUDE	MO/DAY/YR			MESSENGER TIME			ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
26 07.5N	114 07.0W	11/ 5/69			1930 GMT			2359M	320	13KT	1	310 3 5					
Z	T	S	02	P04	S103	NO2	NO3	DT	Z	T	S	02	SIGT	DT	DD		
									0	23.05	34.68		23.698	420.8	0.000		
									10	23.03	34.69		23.711	419.5	0.042		
									20	23.04	34.71		23.723	418.4	0.084		
									30	22.98	34.69		23.725	418.2	0.126		
									50	18.11	33.80		24.348	358.9	0.204		
									75	15.20	33.76		24.994	297.4	0.286		
									100	13.16	33.91		25.537	245.6	0.355		
									125	12.13	33.94		25.762	224.2	0.414		
									150	12.11	34.33		26.068	195.2	0.468		
									200	11.74	34.60		26.347	168.6	0.561		
									250	11.03	34.59		26.471	156.9	0.645		
									300	9.97	34.51		26.595	145.1	0.723		
									400	8.06	34.39		26.807	125.0	0.865		
									500	7.02	34.40		26.965	110.0	0.990		

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					130040	
LATITUDE	LONGITUDE	MO/DAY/YR			MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
26 07.5N	114 07.0W	11/ 5/69			2015	GMT	2359M	320	13KT	1	310	3	5			
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
0	22.83	34.59	4.97	0.38	1.	0.00	0.0	421.3								
10	22.90	34.62	4.98	0.38	1.	0.00	0.0	421.0								
30	22.92		4.97	0.38	1.	0.00	0.0									
40	22.86		4.96	0.38	1.	0.00	0.0									
50	18.79		5.38	0.44	1.	0.03	0.1									
65	16.89		5.39	0.44	2.	0.00	0.0									
80	15.16		4.66	0.69	5.	0.33	3.8									
100	13.30	33.94	3.07	1.40	14.	0.30	14.7	246.1								
124	12.14		2.75	1.55	19.	0.65	17.2									
144	12.30		1.29	2.24	28.	0.21	24.7									
174	12.13		0.48	2.53	34.	0.16	26.2									
204	11.62		0.42	2.71	36.	0.09	26.9									
234	11.14		0.40													
275	10.16		0.51													
334	8.77		0.48													
408	7.98	34.41	0.37					122.4								
482	7.12	34.43	0.26					109.1								
562	6.39		0.21													

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					130050	
LATITUDE	LONGITUDE	MO/DAY/YR			MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
25 48.0N	114 48.0W	11/ 6/69			0140	GMT	3518M	320	8KT							
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
0	20.88	33.85											23.673	423.2	0.000	
10	20.68	33.85											23.727	418.1	0.042	
20	20.56	33.85											23.759	415.0	0.084	
30	20.43	33.84											23.786	412.4	0.125	
50	15.66	33.32											24.354	389.2	0.201	
75	13.10	33.33											25.102	287.1	0.279	
100	11.92	33.67											25.393	240.3	0.346	
125	11.42	33.99											25.934	207.9	0.403	
150	12.59	34.51											26.114	190.8	0.453	
200	10.96	34.46											26.382	165.3	0.544	
250	10.77	34.61											26.533	151.0	0.626	
300	9.94	34.55											26.631	141.7	0.702	
400	8.50	34.48											26.810	124.7	0.842	
500	7.18	34.42											26.958	110.7	0.968	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					130050	
LATITUDE	LONGITUDE	MO/DAY/YR			MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
25 48.0N	114 48.0W	11/ 6/69			0252	GMT	3518M	320	8KT							
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
1	20.83	33.86	5.39	0.33	1.	0.00	0.0	421.2								
11	20.86	33.86	5.44	0.31	1.	0.00	0.0									
30	20.49		5.45	0.31	1.	0.00	0.0									
40	18.13		5.87	0.38	1.	0.00	0.0									
48	15.41	33.27	6.24	0.40	1.	0.00	0.0	337.6								
64	14.04		6.03	0.42	2.	0.00	0.0									
78	13.09		5.52	0.56	4.	0.07	1.6									
98	11.81		4.83	0.98	9.	0.08	8.6									
121	12.65		2.31	2.02	24.	0.22	20.1									
140	12.46	34.36	1.22	2.42	31.	0.04	24.6	199.4								
168	12.41		0.62U	2.73	37.	0.05	26.4									
197	10.94		1.10	2.55U	39.	0.16	25.9									
227	11.16	34.61	0.41					157.7								
266	10.55		0.38													
323	9.44		0.46													
396	8.61		0.34													
468	7.58	34.44	0.40					114.6								
548	6.68		0.28													

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					130060	
LATITUDE	LONGITUDE	MO/DAY/YR			MESSENGER TIME		BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
25 29.0N	115 24.0W	11/ 6/69			0919	GMT	3632M	140	4KT							
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
0	20.79	33.72											23.599	430.3	0.000	
10	20.73	33.73											23.623	428.0	0.043	
20	20.70	33.72											23.623	428.0	0.086	
30	20.69	33.80											23.686	421.9	0.128	
50	18.66	33.58											24.044	387.8	0.210	
75	15.77	33.53											24.691	326.2	0.299	
100	13.87	33.48											25.061	290.9	0.377	
125	12.00	33.64											25.555	244.0	0.445	
150	10.93	33.78											25.860	215.0	0.503	
200	10.30	34.19											26.289	174.2	0.602	
250	9.70	34.32											26.492	154.9	0.687	
300	9.33	34.42											26.631	141.7	0.764	
400	8.21	34.42											26.808	124.9	0.903	
500	7.17	34.40											26.944	112.0	1.030	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910						130040
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
25 29.0N		115 24.0W		11/ 6/69		0957		GMT	3832M	140	4KT					
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
1	20.78	33.70	5.23	0.38	2.	0.00	0.0	431.5								
11	20.78	33.70	5.27	0.31	2.	0.00	0.0	431.5								
31	20.71		5.27	0.24	2.	0.00	0.0									
41	20.64		5.28	0.44	2.	0.01	0.0									
51	18.32		5.84	0.33	1.	0.00	0.0									
66	16.18		5.96	0.53	1.	0.00	0.0									
81	14.92		5.93	0.40	2.	0.00	0.0									
100	12.95		5.17	0.62	5.	0.25	3.1									
125	11.73	33.67	3.86	1.31	15.	1.10	14.8	237.0								
145	10.99		3.36	1.55	21.	0.22	17.7									
175	10.61		2.13	2.13	92.	0.17	22.8									
204	10.40		1.73	2.44	36.	0.10	25.7									
234	9.88		1.59													
274	9.46		0.98													
334	8.85		0.55													
407	8.18	34.41	0.35					125.2								
480	7.43	34.41	0.25					114.8								
560	6.57		0.22													

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910						133025
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
26 04.5N		112 48.0W		11/ 7/69		1017		GMT	84M	320	14KT					
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
									0	22.76	34.52		23.660	424.4	0.000	
									10	22.76	34.52		23.660	424.4	0.042	
									20	22.76	34.52		23.660	424.4	0.085	
									30	22.70	34.52		23.677	422.8	0.127	
									50	18.82	34.13		24.423	351.7	0.205	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910						133030
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
25 56.0N		113 06.5W		11/ 7/69		0808		GMT	140M	330	19KT					
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
									0	22.18	34.44		23.763	414.6	0.000	
									10	22.19	34.45		23.768	414.1	0.041	
									20	22.19	34.45		23.768	414.1	0.083	
									30	22.04	34.41		23.785	412.5	0.124	
									50	18.72	34.08		24.410	352.9	0.201	
									75	16.48	34.26		25.088	288.3	0.282	
									100	15.15	34.44		25.527	246.6	0.349	
									125	14.25	34.48		25.752	225.2	0.409	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910						133040
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
25 34.0N		113 45.0W		11/ 7/69		0047		GMT	2753M	120	2KT	0	030	1	4	
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
									0	22.31	34.41		23.704	420.2	0.000	
									10	22.13	34.42		23.762	414.7	0.042	
									20	21.98	34.41		23.797	411.4	0.083	
									30	21.55	34.33		23.855	405.8	0.124	
									50	18.72	34.19		24.494	344.9	0.199	
									75	15.63	34.26		25.277	270.3	0.277	
									100	14.46	34.39		25.638	236.0	0.341	
									125	12.84	34.38		25.964	205.0	0.397	
									150	12.71	34.55		26.121	190.1	0.447	
									200	11.57	34.57		26.356	167.8	0.539	
									250	10.93	34.59		26.489	155.2	0.622	
									300	9.70	34.47		26.609	143.8	0.700	
									400	8.57	34.42		26.784	127.2	0.842	
									500	7.12	34.40		26.951	111.4	0.969	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910						133050
LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES			
25 14.5N		114 24.0W		11/ 6/69		2010		GMT	3377M	350	8KT	0	320	2	8	
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	SIGT	DT	DD	
									0	23.27	34.51		23.506	439.1	0.000	
									10	22.91	34.51		23.609	429.2	0.043	
									20	22.64	34.50		23.679	422.6	0.086	
									30	21.66	34.25		23.764	414.5	0.128	
									50	18.84	33.94		24.273	366.0	0.206	
									75	14.91	33.86		25.134	284.0	0.288	
									100	13.27	34.09		25.654	234.5	0.353	
									125	12.42	34.27		25.962	203.3	0.409	
									150	12.26	34.45		26.132	189.1	0.459	
									200	11.71	34.59		26.345	168.8	0.551	
									250	10.99	34.58		26.470	157.0	0.635	
									300	10.15	34.51		26.564	148.1	0.714	
									400	8.71	34.46		26.762	129.3	0.860	
									500	7.66	34.43		26.898	116.4	0.991	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					133060		
LATITUDE	LONGITUDE	MO/DA/YR			MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
24 54.5N	115 02.0W	11/ 6/69				1530 GMT	3832M	120	7KT	0		340	1	7			
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD		
									0	20.40	33.64		23.642	426.2	0.000		
									10	20.40	33.64		23.642	426.2	0.043		
									20	20.37	33.66		23.665	424.0	0.085		
									30	20.27	33.66		23.692	421.4	0.128		
									50	17.17	33.43		24.292	364.2	0.206		
									75	14.64	33.53		24.938	302.6	0.290		
									100	13.20	33.90		25.516	247.7	0.360		
									125	12.49	34.17		25.871	213.9	0.418		
									150	11.54	34.22		26.090	193.1	0.470		
									200	10.92	34.44		26.374	166.1	0.562		
									250	10.72	34.60		26.534	150.9	0.643		
									300	9.87	34.55		26.643	140.6	0.719		
									400	8.61	34.50		26.809	124.8	0.859		
									500	7.69	34.47		26.925	113.9	0.986		

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					137023		
LATITUDE	LONGITUDE	MO/DA/YR			MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
25 35.0N	112 19.5W	11/ 7/69				1600 GMT	75M	330	10KT	0		320	3	5			
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD		
									0	22.28	34.42		23.720	418.7	0.000		
									10	22.27	34.43		23.730	417.7	0.042		
									20	22.19	34.40		23.730	417.7	0.084		
									30	19.86	34.20		24.209	372.0	0.123		
									50	18.34	34.19		24.589	335.9	0.194		

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					137023		
LATITUDE	LONGITUDE	MO/DA/YR			MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
25 35.0N	112 19.5W	11/ 7/69				1619 GMT	75M	330	10KT	0		320	3	5			
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD		
1	22.32	34.42	5.10	0.38	2.	0.00	0.1	419.8	0	22.32	34.42	5.10	23.709	419.8	0.000		
11	22.30	34.42	5.11	0.40	2.	0.00	0.1	419.2	10	22.30	34.42	5.11	23.714	419.3	0.042		
21	21.71	34.34	5.20	0.42	2.	0.00	0.0	409.3	20	21.81	34.35	5.20	23.800	411.1	0.084		
31	19.82	34.17	4.88	0.60	6.	0.36	1.0	373.2	30	20.02	34.19	4.92	24.155	377.2	0.123		
51	17.89	34.16	4.05	1.00	9.	0.12	5.8	327.5	50	17.93	34.15	4.10	24.661	329.0	0.194		

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					137030		
LATITUDE	LONGITUDE	MO/DA/YR			MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
25 19.5N	112 45.5W	11/ 7/69				1909 GMT	362M	330	12KT	0		320	2	5			
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD		
									0	23.18	34.53		23.547	435.2	0.000		
									10	23.07	34.53		23.578	432.2	0.043		
									20	23.03	34.53		23.590	431.1	0.087		
									30	22.77	34.47		23.619	428.3	0.130		
									50	17.49	33.91		24.582	336.5	0.206		
									75	15.70	34.25		25.259	272.1	0.283		
									100	14.81	34.42		25.586	241.0	0.348		
									125	13.82	34.50		25.858	215.1	0.406		
									150	13.15	34.55		26.034	198.4	0.458		
									200	11.58	34.60		26.377	165.8	0.551		
									250	11.02	34.60		26.480	156.0	0.635		
									300	10.79	34.60		26.522	152.1	0.715		

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					137030		
LATITUDE	LONGITUDE	MO/DA/YR			MESSENGER		TIME	BOTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES					
25 19.5N	112 45.5W	11/ 7/69				1938 GMT	362M	330	12KT	0		320	2	5			
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	SIGT	DT	DD		
1	23.21	34.53	4.99	0.36	2.	0.00	0.0	436.0									
11	23.12	34.53	5.03	0.36	1.	0.00	0.0	433.6									
31	22.58		5.10	0.40	1.	0.00	0.0										
46	18.58		5.62	0.42	2.	0.00	0.0										
61	17.13		2.94	1.42	12.	0.09	12.3										
76	15.66	34.21	2.52	1.67	15.	0.05	15.6	274.2									
90	15.30		1.64	2.09	21.	0.04	19.8										
110	14.57		0.98	2.42	27.	0.05	23.4										
134	13.51		0.52	2.66	33.	0.05	25.3										
163	12.47		0.25	2.82	39.	0.05											
199	11.62		0.07	3.02	47.	0.04											
233	11.17		0.08														
272	10.93		0.08														
317	10.74	34.60	0.09					151.1									
356	10.61	34.60	0.08					149.0									

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					137040	
LATITUDE	LONGITUDE	MO/UY/YR	MESSENGER	TIME	ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
24 58.5N	113 22.0W	11/ 8/69	0029	GMT	3169M	350	10KT	0	340 5 10							
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	S1GT	DT	DD	
									0	24.23	34.50		23.217	466.8	0.000	
									10	24.22	34.50		23.220	466.5	0.047	
									20	24.19	34.50		23.228	465.6	0.093	
									30	24.06	34.49		23.259	462.7	0.140	
									50	17.48	33.84		24.531	341.4	0.221	
									75	15.99	34.16		25.124	284.9	0.299	
									100	13.43	34.03		25.576	242.0	0.366	
									125	12.74	34.27		25.899	211.2	0.423	
									150	12.15	34.42		26.130	189.3	0.474	
									200	11.57	34.58		26.364	167.1	0.565	
									250	10.87	34.61		26.515	152.7	0.648	
									300	10.26	34.60		26.615	143.2	0.725	
									400	8.99	34.55		26.788	126.8	0.867	
									500	7.46	34.46		26.950	111.4	0.994	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					137040	
LATITUDE	LONGITUDE	MO/UY/YR	MESSENGER	TIME	ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
24 58.5N	113 22.0W	11/ 8/69	0112	GMT	3169M	350	10KT	0	340 5 10							
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	S1GT	DT	DD	
2	24.19	34.47	4.90	0.31	1.	0.00	0.0	467.8								
12	24.20	34.46	4.96	0.31	1.	0.00	0.0	468.8								
33	24.12		4.92	0.29	1.	0.00	0.0									
42	22.05		5.41	0.31	1.	0.00	0.0									
52	17.78	33.82	5.89	0.36	2.	0.00	0.0	349.7								
67	16.70		5.30	0.53	3.	0.01	0.0									
81	15.52		2.90	1.49	12.	0.05	13.4									
101	13.33		2.64	1.67	18.	0.09	16.9									
127	12.70		1.54	2.18	26.	0.09	22.2									
143	12.26		1.36	2.35	29.	0.03	24.1									
177	11.88		0.67	2.62	35.	0.06	26.3									
203	11.58		0.46	2.89	41.	0.07	26.4									
232	11.16		0.32													
273	10.76		0.25													
333	10.04		0.11													
406	9.22		0.12													
480	7.81	34.45	0.17					117.0								
561	7.00	34.45	0.15					106.0								

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					137050	
LATITUDE	LONGITUDE	MO/UY/YR	MESSENGER	TIME	ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
24 38.5N	114 02.0W	11/ 8/69	0615	GMT	3926M	330	10KT	0	340 5 10							
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	S1GT	DT	DD	
									0	23.03	34.50		23.567	433.3	0.000	
									10	23.03	34.50		23.567	433.3	0.043	
									20	22.94	34.50		23.593	430.8	0.087	
									30	22.67	34.51		23.678	422.7	0.129	
									50	18.12	33.86		24.391	354.7	0.207	
									75	15.01	33.92		25.158	281.7	0.287	
									100	13.22	33.90		25.518	247.5	0.354	
									125	11.77	34.04		25.908	210.4	0.412	
									150	12.28	34.46		26.136	188.7	0.463	
									200	10.52	34.39		26.406	163.1	0.553	
									250	9.91	34.42		26.535	150.8	0.634	
									300	9.13	34.40		26.648	140.1	0.709	
									400	8.09	34.42		26.826	123.2	0.847	
									500	7.15	34.43		26.970	109.5	0.971	

RV ALEXANDER AGASSIZ										CALCOFI CRUISE 6910					137050	
LATITUDE	LONGITUDE	MO/UY/YR	MESSENGER	TIME	ROTTOM	WIND	SPEED	WEATHER	DOMINANT WAVES							
24 38.5N	114 02.0W	11/ 8/69	0652	GMT	3926M	330	10KT	0	340 5 10							
Z	T	S	O2	P04	S103	NO2	NO3	DT	Z	T	S	O2	S1GT	DT	DD	
1	23.05	34.48	4.98	0.36	1.	0.00	0.0	435.3								
11	23.07	34.48	5.02	0.38	1.	0.00	0.0	435.8								
31	22.80		5.03	0.38	1.	0.00	0.0									
41	22.49		5.07	0.40	1.	0.00	0.0									
51	18.64		5.55	0.49	2.	0.00	0.0									
66	15.94		4.50	0.93	6.	0.24	4.3									
81	14.63		3.16	1.44	13.	0.08	12.5									
101	13.13	33.87	3.19	1.60	16.	0.10	14.6	248.0								
125	11.85		2.23	2.13	24.	0.08	20.8									
145	12.37		0.90U	2.62	32.	0.10	25.8									
176	11.03		1.57	2.55	34.	0.09	25.5									
205	10.59		1.13	2.69	37.	0.08	26.6									
235	10.09		0.92													
274	9.67		0.63													
333	8.82		0.51													
411	8.12		0.26													
481	7.43	34.43	0.22					113.3								
561	6.54	34.43	0.17					101.6								

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6910

137040

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	ROTTOM	WIND	SPEED	WEATHER		DOMINANT WAVES	
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	S16T	DT	DD
									0	21.39	33.94		23.603	429.9	0.000
									10	21.34	33.94		23.617	428.5	0.043
									20	20.56	33.73		23.668	423.7	0.086
									30	20.46	33.79		23.740	416.8	0.128
									50	15.86	33.29		24.487	345.7	0.204
									75	14.01	33.48		25.033	293.7	0.285
									100	11.98	33.58		25.512	248.1	0.353
									125	10.90	33.73		25.826	218.2	0.412
									150	10.39	33.95		26.087	193.4	0.464
									200	11.14	34.54		26.412	162.5	0.555
									250	10.69	34.58		26.524	151.9	0.636
									300	9.99	34.57		26.638	141.0	0.712
									400	8.34	34.44		26.804	125.3	0.852
									500	7.24	34.43		26.958	110.7	0.978

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6910

137040

LATITUDE		LONGITUDE		MO/DAY/YR		MESSENGER		TIME	ROTTOM	WIND	SPEED	WEATHER		DOMINANT WAVES	
Z	T	S	O2	P04	S103	N02	N03	DT	Z	T	S	O2	S16T	DT	DD
1	21.40	33.94	5.17	0.36	1.	0.00	0.0	430.1							
11	21.36	33.92	5.17	0.33	1.	0.00	0.0	430.5							
31	20.43		5.27	0.31	1.	0.00	0.0								
41	20.28		5.30	0.31	1.	0.00	0.0								
49	15.93		6.08	0.36	1.	0.00	0.0								
64	14.63		5.70	0.47	2.	0.02	0.0								
78	13.13		4.72	0.87	6.	0.04	5.8								
98	11.90		4.78	0.89	8.	0.06	8.1								
122	10.89		3.72	1.47	18.	0.05	16.3								
142	10.44		3.00	1.80	26.	0.05	20.7								
173	10.66		1.67	2.35	34.	0.08	25.0								
202	11.18	34.55	0.48	2.64	38.	0.12	26.9	162.5							
232	10.88		0.41												
272	10.28		0.28												
331	9.56		0.19												
405	8.32	34.47	0.22					122.8							
479	7.56	34.45	0.21					113.6							
559	6.51		0.18												

RV DAVID STARR JORDAN

CALCOFI CRUISE 6910

TEN METER DATA

			Z	T	S	02	P04	S103	N02	N03	DT		
67.070	10/12/69	2341GMT	36	08.0N	123 29.5W	10	15.18	33.522	0.31	0.	0.05	1.0	314.5
	BOTTOM	3730M			WIND 270 06KT WEATHER 1								
		DOMINANT WAVES			320 04 08								
67.080	10/12/69	1930GMT	35	48.0N	124 12.0W	10	14.08	33.394	0.25	0.	0.00	0.7	301.4
	BOTTOM	4110M			WIND 320 08KT WEATHER 1								
		DOMINANT WAVES			340 04 06								
67.090	10/12/69	1420GMT	35	28.0N	124 55.0W	10	14.10	33.128	0.31	0.	0.05	1.3	321.5
	BOTTOM	4498M			WIND 320 05KT WEATHER 1								
		DOMINANT WAVES			330 06 08								
70.051	10/17/69	2242GMT	36	11.5N	121 44.0W	10	13.42	33.514	0.84	7.	0.23	6.2	279.7
	BOTTOM	390M			WIND 110 20KT WEATHER 1								
		DOMINANT WAVES			290 08 08								
70.065	10/18/69	1040GMT	35	43.0N	122 45.0W	10	15.38	33.131		0.	0.02	0.6	347.1
	BOTTOM	1387M			WIND 310 15KT WEATHER 1								
		DOMINANT WAVES			320								
73.050	10/20/69	0445GMT	35	37.0N	121 17.0W	10	13.32	33.512	0.90	9.	0.24	6.3	277.9
	BOTTOM	112M			WIND 310 05KT WEATHER 0								
		DOMINANT WAVES											
73.065	10/19/69	1930GMT	35	08.0N	122 19.0W	10	14.99	33.454	0.44	3.	0.08	1.0	315.4
	BOTTOM	4014M			WIND 340 06KT WEATHER 1								
		DOMINANT WAVES			330 10 08								
77.048	10/20/69	0858GMT	35	06.5N	120 46.5W	10	14.06	33.503	0.81	9.	0.27	3.5	293.0
	BOTTOM	45M			WIND 010 04KT WEATHER 0								
		DOMINANT WAVES			00								
77.065	10/20/69	1900GMT	34	34.0N	121 55.0W	10	15.53	33.451	0.41	2.	0.00	0.1	326.9
	BOTTOM	3824M			WIND 330 09KT WEATHER 0								
		DOMINANT WAVES			330 04 08								
77.080	10/21/69	0231GMT	34	04.0N	122 55.0W	10	16.34	32.908	0.41	1.	0.00	0.0	383.9
	BOTTOM	4309M			WIND 330 08KT WEATHER 1								
		DOMINANT WAVES			320 04 07								
77.090	10/21/69	0705GMT	33	43.0N	123 39.0W	10	17.10	33.027	0.28	2.	0.00	0.0	392.0
	BOTTOM	4594M			WIND 280 06KT WEATHER 1								
		DOMINANT WAVES			280 01 06								
80.051	10/22/69	1549GMT	34	26.0N	120 32.5W	10	12.98	33.426	0.87	8.	0.33	6.4	277.8
	BOTTOM	106M			WIND 320 05KT WEATHER 1								
		DOMINANT WAVES			290 01 05								
80.065	10/22/69	0337GMT	33	59.0N	121 30.0W	10	15.87	33.439	0.47	2.	0.00	0.2	335.0
	BOTTOM	3447M			WIND 290 10KT WEATHER 1								
		DOMINANT WAVES			300 01 06								

RV DAVID STARR JORDAN

CALCOFI CRUISE 6910

TEN METER DATA

			Z	T	S	O2	P04	SI03	N02	N03	DT		
83.040	10/22/69	2309GMT	34	14.0N	119 22.0W	10	15.99	33.392	0.41	3.	0.00	0.3	341.0
	BOTTOM	22M	WIND	310	04KT	WEATHER	1						
	DOMINANT WAVES 260 01 04												
83.055	10/23/69	0730GMT	33	44.0N	120 24.5W	10	15.68	33.457	0.41	2.	0.00	0.2	329.6
	BOTTOM	944M	WIND	350	04KT	WEATHER	1						
	DOMINANT WAVES												
83.060	10/23/69	1027GMT	33	34.0N	120 45.0W	10	15.92	33.366	0.41	1.	0.00	0.0	341.4
	BOTTOM	1664M	WIND	310	02KT	WEATHER	2						
	DOMINANT WAVES												
83.070	10/23/69	1605GMT	33	14.0N	121 26.0W	10		33.370	0.41	2.	0.00	0.0	
	BOTTOM	3926M	WIND	290	04KT	WEATHER	2						
	DOMINANT WAVES 320 03 08												
83.080	10/23/69	2037GMT	32	54.0N	122 08.0W	10	16.06	33.225	0.41	2.	0.00	0.1	354.7
	BOTTOM	4309M	WIND		00KT	WEATHER	1						
	DOMINANT WAVES 310 02 07												
83.090	10/24/69	0115GMT	32	34.5N	122 48.0W	10	16.10	33.152	0.31	2.	0.03		360.9
	BOTTOM	4213M	WIND	160	02KT	WEATHER	1						
	DOMINANT WAVES 310 02 07												
87.033	10/24/69	1018GMT	33	54.0N	118 29.5W	10	17.32	33.453	0.37	2.	0.00	0.2	365.9
	BOTTOM	48M	WIND	270	04KT	WEATHER	1						
	DOMINANT WAVES 280 01 04												
87.050	10/25/69	0001GMT	33	20.0N	119 39.5W	10	15.76	33.527	0.34	2.	0.00	0.3	326.2
	BOTTOM	75M	WIND	290	02KT	WEATHER	2						
	DOMINANT WAVES 270 01 05												
87.055	10/24/69	2131GMT	33	09.5N	119 59.5W	10	16.34	33.370	0.37	2.	0.00	0.0	350.2
	BOTTOM	1202M	WIND		00KT	WEATHER	1						
	DOMINANT WAVES 350 01 07												
87.060	10/24/69	1900GMT	33	00.0N	120 21.5W	10	16.36	33.396	0.34	2.	0.00	0.0	348.7
	BOTTOM	836M	WIND		00KT	WEATHER	2						
	DOMINANT WAVES 290 01 06												
87.070	10/24/69	1430GMT	32	40.0N	121 05.0W	10	16.02	33.343	0.41	3.	0.01	0.0	345.2
	BOTTOM	3926M	WIND	170	02KT	WEATHER	2						
	DOMINANT WAVES 250 01 08												
87.080	10/24/69	1002GMT	32	19.5N	121 43.0W	10	16.94	33.051	0.37	3.	0.00	0.1	386.7
	BOTTOM	4309M	WIND	240	02KT	WEATHER	1						
	DOMINANT WAVES 250 01 08												
87.090	10/24/69	0543GMT	31	59.0N	122 24.0W	10	16.82	33.048	0.44	3.	0.00	0.1	384.2
	BOTTOM	4022M	WIND	210	04KT	WEATHER	0						
	DOMINANT WAVES 220 01 08												

RV DAVID STARR JORDAN

CALCOFI CRUISE 6910

TEN METER DATA

			Z	T	S	O2	P04	Si03	NO2	NO3	DT
90.039	10/25/69	2207GMT	33	07.0N	118 30.5W						
	BOTTOM	1369M									
		WIND		270	04KT						
		DOMINANT WAVES		270	01 04						
			10			33.492	0.25	1.	0.00	0.0	
93.045	10/30/69	0310GMT	32	20.0N	118 32.0W						
	BOTTOM	981M									
		WIND		330	05KT						
		DOMINANT WAVES									
			10	17.26		33.446		1.	0.07	0.1	365.1
93.050	10/30/69	0055GMT	32	10.0N	118 52.5W						
	BOTTOM	1387M									
		WIND			00KT						
		DOMINANT WAVES		310	05 08						
			10	17.28		33.504		1.	0.07	0.1	361.5
93.055	10/29/69	2215GMT	32	00.0N	119 13.5W						
	BOTTOM	1577M									
		WIND		050	03KT						
		DOMINANT WAVES		300	04 08						
			10	17.38		33.343		1.	0.04	0.0	375.5
93.060	10/29/69	1939GMT	31	50.0N	119 34.0W						
	BOTTOM	2416M									
		WIND		080	05KT						
		DOMINANT WAVES		320	04 08						
			10	17.36		33.439		1.	0.22	0.0	367.9
93.070	10/29/69	1500GMT	31	30.0N	120 14.0W						
	BOTTOM	3926M									
		WIND		340	16KT						
		DOMINANT WAVES		300	01 06						
			10	17.22		33.445		1.	0.21	0.0	364.2
93.080	10/29/69	1015GMT	31	10.0N	120 54.5W						
	BOTTOM	4022M									
		WIND		310	20KT						
		DOMINANT WAVES									
			10	17.51		33.407		1.	0.22	0.0	373.6
93.090	10/29/69	0507GMT	30	50.0N	121 34.5W						
	BOTTOM	4117M									
		WIND		310	12KT						
		DOMINANT WAVES									
			10	17.0		33.1860		2.	0.26	0.0	
93.100	10/29/69	0003GMT	30	30.0N	122 14.0W						
	BOTTOM	4309M									
		WIND		340	20KT						
		DOMINANT WAVES		310	08 07						
			10	17.32		33.150		1.	0.22	0.0	388.0
93.120	10/28/69	1532GMT	29	49.0N	123 35.0W						
	BOTTOM	4308M									
		WIND		350	16KT						
		DOMINANT WAVES		350	05 04						
			10	18.22		33.316		1.	0.21	0.0	396.6
93.140	10/28/69	0705GMT	29	09.0N	124 53.0W						
	BOTTOM	4117M									
		WIND		010	06KT						
		DOMINANT WAVES									
			10	19.1		33.518		1.	0.24	0.0	402.9

RV ALEXANDER AGASSIZ

CALCOFI CRUISE 6910

TEN METER DATA

			Z	T	S	02	P04	SI03	N02	N03	DT		
103.035	10/25/69	2235GMT	30	56.0N	116 45.0W	10	18.83	33.497	0.22	0.	0.00	0.0	397.9
	BOTTOM	1664M			WIND 310 18KT WEATHER 0								
		DOMINANT WAVES			310 05 04								
103.040	10/26/69	0135GMT	30	46.0N	117 05.0W	10	18.71	33.497	0.13	0.	0.00	0.0	395.1
	BOTTOM	1763M			WIND 310 14KT WEATHER 1								
		DOMINANT WAVES			340 06 06								
103.045	10/26/69	0417GMT	30	36.5N	117 24.0W	10	18.40	33.580	0.29	1.	0.00	0.0	381.7
	BOTTOM	2181M			WIND 340 18KT WEATHER 1								
		DOMINANT WAVES			350 05 04								
103.050	10/26/69	0715GMT	30	26.0N	117 45.0W	10	18.37	33.553	0.27	1.	0.00	0.0	382.9
	BOTTOM	2791M			WIND 320 16KT WEATHER 1								
		DOMINANT WAVES			330 05 04								
103.055	10/26/69	0940GMT	30	16.0N	118 05.0W	10	17.99	33.544	0.13	0.	0.00	0.0	374.7
	BOTTOM	2227M			WIND 340 16KT WEATHER 1								
		DOMINANT WAVES											
103.060	10/26/69	1245GMT	30	06.5N	118 24.5W	10	17.80	33.307	0.16	0.	0.00	0.0	387.5
	BOTTOM	3329M			WIND 330 14KT WEATHER 1								
		DOMINANT WAVES											
103.070	10/26/69	1730GMT	29	46.5N	119 05.0W	10	18.02	33.346	0.40	1.	0.00	0.0	389.8
	BOTTOM	3569M			WIND 340 15KT WEATHER 1								
		DOMINANT WAVES			360 06 04								
103.080	10/26/69	2205GMT	29	25.0N	119 45.0W	10	18.32	33.359	0.36	1.	0.00	0.0	395.9
	BOTTOM	3738M			WIND 320 15KT WEATHER 1								
		DOMINANT WAVES			310 02 03								
107.031	10/28/69	0700GMT	30	28.0N	116 07.0W	10	13.63	33.32	0.42	4.	0.05	0.9	298.0
	BOTTOM	37M			WIND 330 09KT WEATHER 1								
		DOMINANT WAVES											
107.032	10/28/69	0608GMT	30	26.0N	116 11.0W	10	14.97	33.35	0.51	7.	0.06	0.4	322.6
	BOTTOM	371M			WIND 330 09KT WEATHER 1								
		DOMINANT WAVES											
107.035	10/28/69	0405GMT	30	21.5N	116 23.0W	10	15.84	33.34	0.27	1.	0.00	0.0	341.6
	BOTTOM	1701M			WIND 320 10KT WEATHER 1								
		DOMINANT WAVES			05 04								
107.040	10/28/69	0117GMT	30	12.0N	116 42.5W	10	18.50	33.50	0.20	0.	0.00	0.0	389.9
	BOTTOM	2554M			WIND 310 12KT WEATHER 1								
		DOMINANT WAVES			330 07 08								
107.045	10/27/69	2210GMT	30	01.0N	117 01.5W	10	18.60	33.50	0.58	1.	0.00	0.0	392.2
	BOTTOM	1491M			WIND 320 09KT WEATHER 1								
		DOMINANT WAVES			010 06 05								

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TEN METER DATA

					Z	T	S	02	P04	SI03	N02	N03	DT
107.050	10/27/69	1940GMT	29 51.5N	117 22.0W	10	18.60	33.54	0.24	1.	0.00	0.0	0.0	389.3
	BOTTOM	2250M	WIND 330 12KT	WEATHER 2									
	DOMINANT WAVES 320 06 04												
107.055	10/27/69	1618GMT	29 41.0N	117 42.0W	10	19.06	33.587	0.24	1.	0.00	0.0	0.0	396.9
	BOTTOM	3169M	WIND 340 16KT	WEATHER 1									
	DOMINANT WAVES 320 04 05												
107.060	10/27/69	1338GMT	29 31.5N	118 01.5W	10	19.24	33.627	0.36	1.	0.00	0.0	0.0	398.4
	BOTTOM	3642M	WIND 320 17KT	WEATHER 1									
	DOMINANT WAVES												
107.070	10/27/69	0818GMT	29 11.0N	118 41.0W	10	19.12	33.586	0.29	1.	0.00	0.0	0.0	398.4
	BOTTOM	2886M	WIND 310 09KT	WEATHER 1									
	DOMINANT WAVES												
107.080	10/27/69	0320GMT	28 52.0N	119 19.5W	10	19.04	33.457	0.33	1.	0.00	0.0	0.0	405.9
	BOTTOM	3642M	WIND 330 11KT	WEATHER 1									
	DOMINANT WAVES												
110.032	10/28/69	1100GMT	29 52.0N	115 49.0W	10	13.84	33.46	0.87	8.	0.24	4.5	291.8	
	BOTTOM	37M	WIND 360 16KT	WEATHER 1									
	DOMINANT WAVES												
110.045	10/28/69	2020GMT	29 26.5N	116 39.5W	10	17.89	33.47	0.36	1.	0.00	0.0	0.0	377.8
	BOTTOM	938M	WIND 310 08KT	WEATHER 2									
	DOMINANT WAVES 010 06 04												
113.029	10/30/69	2353GMT	29 24.0N	115 13.0W	10	18.34	33.618	0.24	3.	0.00	0.0	0.0	377.5
	BOTTOM	22M	WIND 290 11KT	WEATHER 0									
	DOMINANT WAVES 290 03 05												
113.030	10/30/69	2250GMT	29 22.0N	115 18.0W	10	17.81	U 33.588	0.22	3.	0.00	0.0	0.0	
	BOTTOM	65M	WIND 280 10KT	WEATHER 0									
	DOMINANT WAVES 280 03 04												
113.035	10/30/69	2010GMT	29 11.5N	115 38.0W	10	17.38	33.461	0.24	2.	0.00	0.0	0.0	366.7
	BOTTOM	1280M	WIND 320 09KT	WEATHER 0									
	DOMINANT WAVES 320 03 03												
113.040	10/30/69	1710GMT	29 03.0N	115 58.5W	10	18.47	33.607	0.29	3.	0.00	0.0	0.0	381.4
	BOTTOM	1894M	WIND 360 10KT	WEATHER 0									
	DOMINANT WAVES 340 03 03												
113.045	10/30/69	1420GMT	28 53.0N	116 18.0W	10	18.01	33.547	0.18	3.	0.00	0.0	0.0	374.9
	BOTTOM	2130M	WIND 360 11KT	WEATHER 1									
	DOMINANT WAVES 350 04 06												
113.050	10/30/69	1145GMT	28 42.0N	116 37.0W	10	18.28	33.517						383.4
	BOTTOM	3546M	WIND 340 07KT	WEATHER 1									
	DOMINANT WAVES												

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TEN METER DATA

			Z	T	S	O2	PO4	SI03	NO2	NO3	DT
113.060	10/30/69	0713GMT	28	22.0N	117 15.5W	10	19.29	33.624			399.8
	BOTTOM 3623M WIND 010 08KT WEATHER 1 DOMINANT WAVES										
113.070	10/30/69	0230GMT	28	03.0N	117 54.0W	10	19.55	33.63			405.7
	BOTTOM 3482M WIND 260 04KT WEATHER 1 DOMINANT WAVES										
113.080	10/29/69	2141GMT	27	42.0N	118 32.0W	10	19.10	33.59			397.7
	BOTTOM 3926M WIND 280 05KT WEATHER 1 DOMINANT WAVES 300 04 06										
117.025	10/31/69	0410GMT	28	58.0N	114 37.0W	10	18.76	33.641	0.24	2. 0.00	0.0 385.8
	BOTTOM 56M WIND 320 05KT WEATHER DOMINANT WAVES										
117.026	10/31/69	0450GMT	28	56.0N	114 41.5W	10	17.30	33.557	0.22	1. 0.00	0.0 357.9
	BOTTOM 75M WIND 320 12KT WEATHER DOMINANT WAVES										
117.030	10/31/69	2130GMT	28	48.5N	114 57.0W	10	16.71	33.419	0.22	1. 0.00	0.0 354.7
	BOTTOM 101M WIND 280 09KT WEATHER 0 DOMINANT WAVES 290 03 07										
117.035	11/01/69	0016GMT	28	38.0N	115 16.0W	10	17.55	33.506	0.20	1. 0.00	0.0 367.5
	BOTTOM 207M WIND 300 12KT WEATHER 0 DOMINANT WAVES 290 05 04										
117.040	11/01/69	0608GMT	28	28.0N	115 35.5W	10	17.78	33.537	0.20	3. 0.00	0.0 370.5
	BOTTOM 979M WIND 310 11KT WEATHER 0 DOMINANT WAVES										
117.045	11/01/69	0830GMT	28	18.5N	115 55.5W	10	18.66	33.658	0.24	4. 0.00	0.0 382.2
	BOTTOM 3642M WIND 310 08KT WEATHER 0 DOMINANT WAVES										
117.050	11/01/69	1113GMT	28	08.0N	116 15.0W	10	19.61	33.773	0.27	3. 0.00	0.0 396.8
	BOTTOM 4117M WIND 310 11KT WEATHER 0 DOMINANT WAVES										
117.060	11/01/69	1535GMT	27	48.0N	116 53.0W	10	19.38	33.607	0.22	3. 0.00	0.0 403.2
	BOTTOM 2985M WIND 350 09KT WEATHER 1 DOMINANT WAVES 360 06 05										
117.070	11/01/69	2032GMT	27	26.0N	117 33.5W	10	19.10	33.524	0.22	1. 0.00	0.0 402.5
	BOTTOM 3738M WIND 330 12KT WEATHER 1 DOMINANT WAVES 330 04 05										
117.080	11/02/69	0100GMT	27	07.5N	118 10.0W	10	19.44	33.540	0.22	1. 0.00	0.0 409.6
	BOTTOM 4117M WIND 350 08KT WEATHER 1 DOMINANT WAVES 340 04 06										

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TEN METER DATA

					Z	T	S	O ₂	P _{O₄}	Si _{O₃}	NO ₂	NO ₃	DT
120.024	10/31/69	0910GMT	28 24.0N	114 11.0W	10	18.84	33.659	0.22	4.	0.00	0.0	0.0	386.4
	BOTTOM 43M		WIND 330 11KT WEATHER										
	DOMINANT WAVES												
120.025	10/31/69	0945GMT	28 22.5N	114 15.0W	10	18.62	33.634	0.24	4.	0.00	0.0	0.0	383.0
	BOTTOM 56M		WIND 350 11KT WEATHER										
	DOMINANT WAVES												
120.030	10/31/69	1155GMT	28 12.5N	114 34.0W	10	19.04	33.635	0.24	2.	0.00	0.0	0.0	392.9
	BOTTOM 93M		WIND 320 09KT WEATHER										
	DOMINANT WAVES												
120.035	10/31/69	1528GMT	28 03.0N	114 54.0W	10	17.74	33.543	0.31	4.	0.00	0.0	0.0	369.0
	BOTTOM 78M		WIND 350 06KT WEATHER 0										
	DOMINANT WAVES		350 03 04										
120.040	11/03/69	0700GMT	27 56.5N	115 14.0W	10	18.38	33.616	0.20	2.	0.00	0.0	0.0	378.6
	BOTTOM 47M		WIND 170 03KT WEATHER 1										
	DOMINANT WAVES												
123.036	11/03/69	1100GMT	27 26.0N	114 36.0W	10	18.96	33.814	0.29	1.	0.00	0.0	0.0	378.0
	BOTTOM 52M		WIND 090 03KT WEATHER 1										
	DOMINANT WAVES												
123.037	11/03/69	1247GMT	27 24.5N	114 40.0W	10	19.10	33.801	0.27	1.	0.00	0.0	0.0	382.5
	BOTTOM 71M		WIND 090 03KT WEATHER 1										
	DOMINANT WAVES												
123.042	11/04/69	0505GMT	27 13.5N	114 59.5W	10	20.48	33.848	0.20	1.	0.00	0.0	0.0	413.1
	BOTTOM 2322M		WIND 080 06KT WEATHER										
	DOMINANT WAVES												
123.045	11/04/69	0640GMT	27 08.0N	115 10.5W	10	20.48	33.846	0.29	1.	0.00	0.0	0.0	413.5
	BOTTOM 4213M		WIND 340 08KT WEATHER 0										
	DOMINANT WAVES												
123.050	11/04/69	0935GMT	26 58.0N	115 31.0W	10	20.22	33.830	0.24	1.	0.00	0.0	0.0	407.9
	BOTTOM 3339M		WIND 350 09KT WEATHER 0										
	DOMINANT WAVES												
123.060	11/04/69	1422GMT	26 35.5N	116 15.5W	10	20.57	33.835	0.24	1.	0.00	0.0	0.0	416.5
	BOTTOM 3926M		WIND 070 08KT WEATHER 1										
	DOMINANT WAVES		350 03 06										
127.033	11/05/69	0850GMT	26 58.0N	114 02.5W	10	21.60	34.339	0.27	1.	0.00	0.0	0.0	406.5
	BOTTOM 65M		WIND 320 08KT WEATHER 0										
	DOMINANT WAVES												
127.034	11/05/69	0759GMT	26 55.5N	114 06.0W	10	21.68	34.373	0.27	1.	0.00	0.0	0.0	406.1
	BOTTOM 82M		WIND 300 12KT WEATHER 0										
	DOMINANT WAVES												

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TEN METER DATA

			Z	T	S	O2	P04	SI03	N02	N03	DT		
127.040	11/05/69	0506GMT	26	43.5N	114 28.5W	10	21.56	34.273	0.27	1.	0.00	0.0	410.2
		BOTTOM 3009M											
		WIND 310 12KT											
		WEATHER 0											
		DOMINANT WAVES											
127.045	11/05/69	0207GMT	26	33.5N	114 48.5W	10	20.48	33.821	0.31	1.	0.00	0.0	415.1
		BOTTOM 3358M											
		WIND 300 06KT											
		WEATHER 0											
		DOMINANT WAVES											
127.050	11/04/69	2330GMT	26	23.5N	115 08.0W	10	20.77	33.819	0.29	2.	0.00	0.0	422.6
		BOTTOM 4251M											
		WIND 310 07KT											
		WEATHER 0											
		DOMINANT WAVES 300 02 04											
127.060	11/04/69	1850GMT	26	03.5N	115 47.0W	10	20.03	33.591	0.22	1.	0.00	0.0	420.4
		BOTTOM 3804M											
		WIND 300 08KT											
		WEATHER 0											
		DOMINANT WAVES 310 01 05											
130.028	11/05/69	1314GMT	26	32.5N	113 21.0W	10	22.07	34.461	0.20	0.	0.00	0.0	410.1
		BOTTOM 58M											
		WIND 360 05KT											
		WEATHER 0											
		DOMINANT WAVES											
130.035	11/05/69	1708GMT	26	19.0N	113 48.0W	10	21.44	34.188	0.36	1.	0.00	0.0	413.2
		BOTTOM 742M											
		WIND 300 08KT											
		WEATHER 1											
		DOMINANT WAVES 300 02 06											
130.045	11/05/69	2315GMT	25	58.5N	114 28.0W	10	22.86	34.564	0.22	1.	0.00	0.0	424.0
		BOTTOM 3499M											
		WIND 310 09KT											
		WEATHER 0											
		DOMINANT WAVES											
133.023	11/07/69	1145GMT	26	08.0N	112 40.0W	10	22.72	34.507	0.36	1.	0.00	0.0	424.3
		BOTTOM 75M											
		WIND 330 16KT											
		WEATHER											
		DOMINANT WAVES											
133.025	11/07/69	1035GMT	26	04.5N	112 48.0W	10	22.78	34.502	0.33	1.	0.00	0.0	426.3
		BOTTOM 84M											
		WIND 320 14KT											
		WEATHER											
		DOMINANT WAVES											
133.030	11/07/69	0825GMT	25	56.0N	113 06.5W	10	22.28	34.433	0.42	1.	0.00	0.0	417.7
		BOTTOM 140M											
		WIND 330 19KT											
		WEATHER											
		DOMINANT WAVES											
133.035	11/07/69	0345GMT	25	44.0N	113 26.5W	10	22.17	34.423	0.24	1.	0.00	0.0	415.5
		BOTTOM 584M											
		WIND 280 09KT											
		WEATHER											
		DOMINANT WAVES											
133.040	11/07/69	0115GMT	25	34.0N	113 45.0W	10	22.10	34.433	0.40	1.	0.00	0.0	412.9
		BOTTOM 2753M											
		WIND 120 02KT											
		WEATHER 0											
		DOMINANT WAVES 030 01 04											
133.050	11/06/69	2042GMT	25	14.5N	114 24.0W	10	22.92	34.503	0.31	3.	0.00	0.0	430.0
		BOTTOM 3377M											
		WIND 350 08KT											
		WEATHER 0											
		DOMINANT WAVES 320 02 08											

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